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YEAR BOOK OF THE
BOSTON ARCHITECTURAL CLUB
EXHIBITIONS OF 1911



STUDY BY I. P. LORD

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THE AMERICAN ARCHITECT

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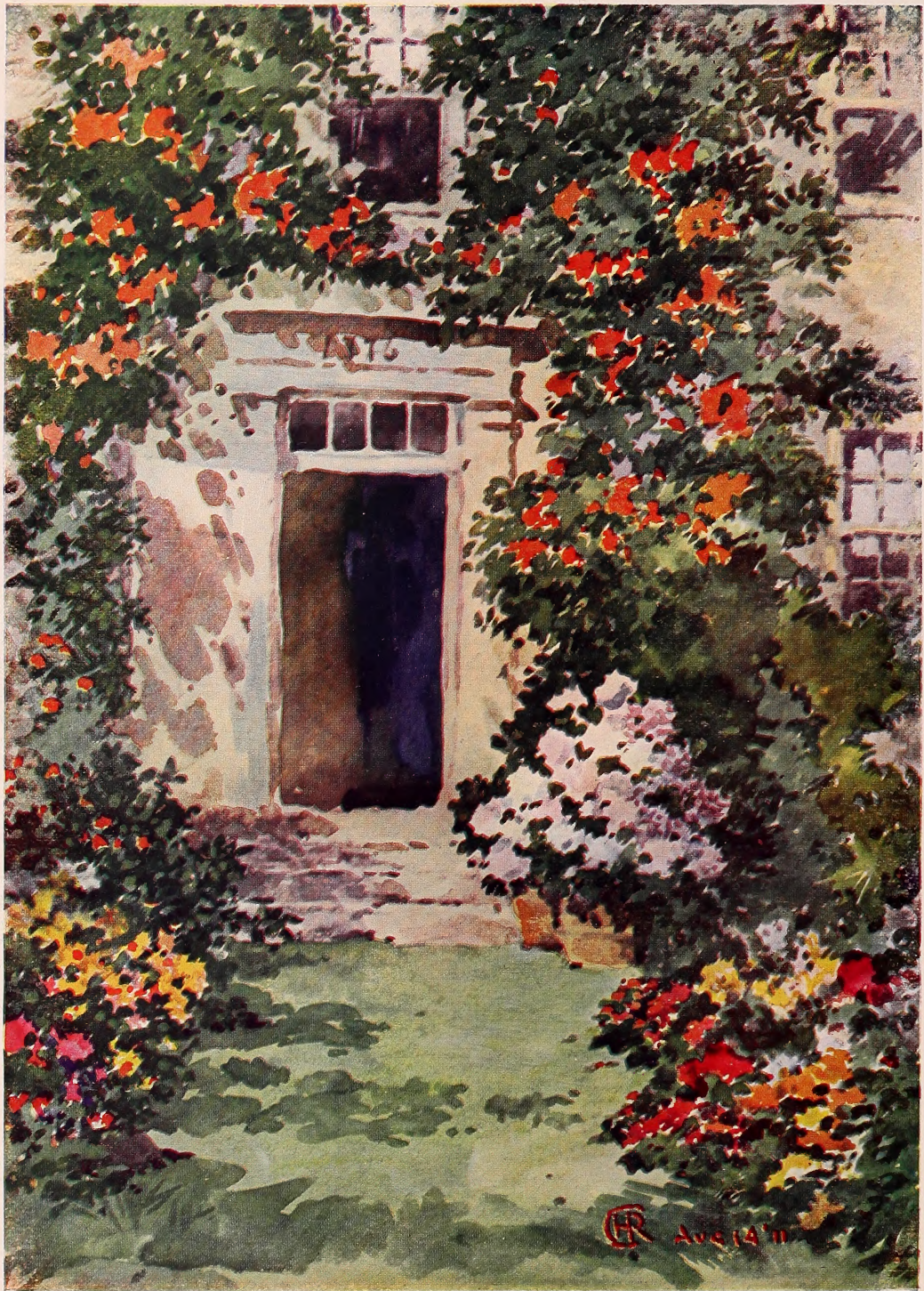
"OR EQUAL THERETO"

WHEN the architect writes in his specification, "All doors throughout to be furnished and fitted with Vulcan hardware, plate nos.," etc., or, "all hardwood floors to be finished with Baker's Altoona Polish," he should break the point of his pen before he permits himself to add, "or equal thereto."

For every building, taking price, locality and finish into consideration, there is in almost every case some one make of building material or equipment which is, on the whole, more suitable for that particular occasion than any other. In the case of materials like Portland cement, most architects prefer to supplement brand with a test requirement. But in such instances as are cited above, and in many others like them, the architect should have no hesitation in saying distinctly what he requires and then should close the door to future disputes by omitting the phrase objected to—a phrase which always spells timidity, to say the least.

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SKETCH BY HUBERT G. RIPLEY

BOSTON
ARCHITECTURAL CLUB
YEAR BOOK

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HELD IN THE CLUB BUILDING
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1911

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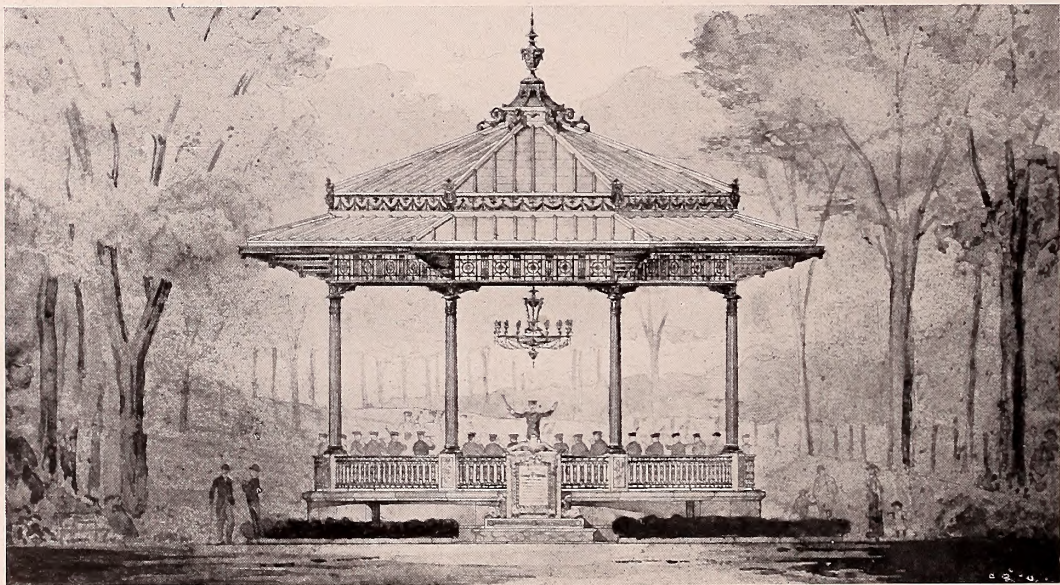
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COMPETITION FOR A MEMORIAL BAND STAND ON BOSTON COMMON

BELLOWS & ALDRICH, ARCHITECTS



SACRISTY, S. MATEO, PALERMO
GEORGE PORTER FERNALD



THE LAST
CARTOON FROM OFFICE OF M

EXHIBITIONS HELD AT THE CLUB, 1911

- January 20 to February 3. Harold Field Kellogg, Work done at the Ecole des Beaux Arts.
 February 14 to February 21. Hubert G. Ripley, Pen and Ink Drawings.
 February 21 to February 27. William Bernhard of Dresden, Architectural Sketches.
 February 27 to March 8. Brickbuilder, Competition for a Hotel in Terra Cotta.
 March 8 to March 15. Competition Drawings for a Bandstand on the Common.
 March 15 to March 21. Ralph W. Gray, Water Color Paintings.
 March 21 to April 1. Israel P. Lord, Work done while abroad on the Rotch Traveling Scholarship.
 April 5 to April 12. Carroll Bill, Water Color Sketches.
 April 12 to April 22. George B. Dexter, Photographs.
 April 24 to May 3. Work of 5th year students, Massachusetts Institute of Technology.



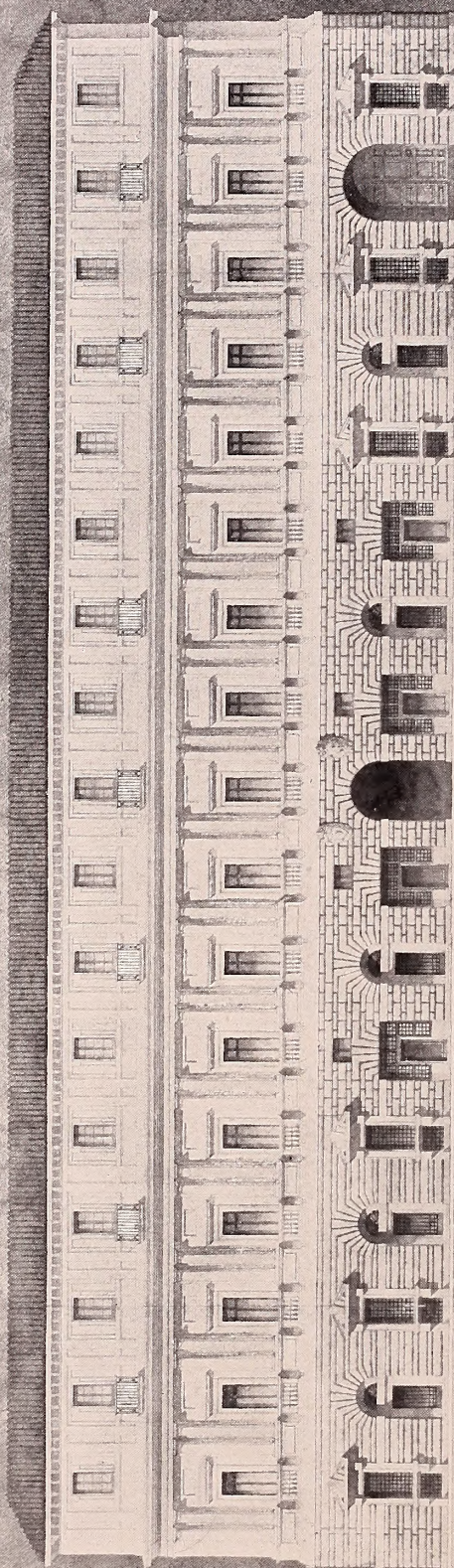
RAISE
R. CLIPSTON STURGIS

EXHIBITIONS HELD AT THE CLUB, 1911

- May 3 to May 10. Competition Drawings for the Rotch Scholarship.
- May 10 to May 17. Walter G. Thomas, work done while abroad on the McKim Scholarship.
- May 17 to May 24. George P. Fernald, Water Color Paintings.
- May 24 to June 1. Janssen and Abbott. Full size details for Y. W. C. A., Pittsburgh, Pa.
Drawn by Philip Merz.
- June 12 to June 17. Philip Holdensen, Studies for Mural Decorations.
- June 19 to June 24. H. B. Warren, Paintings.
- June 24 to July 1. Light minded Exhibition.
- July 1 to July 8. Julian Buckley, Photographs.
- July 8 to July 22. School Drawings.

VIDONI PALACE ROME

SCALE ONE INCH EQUALS FOUR FEET

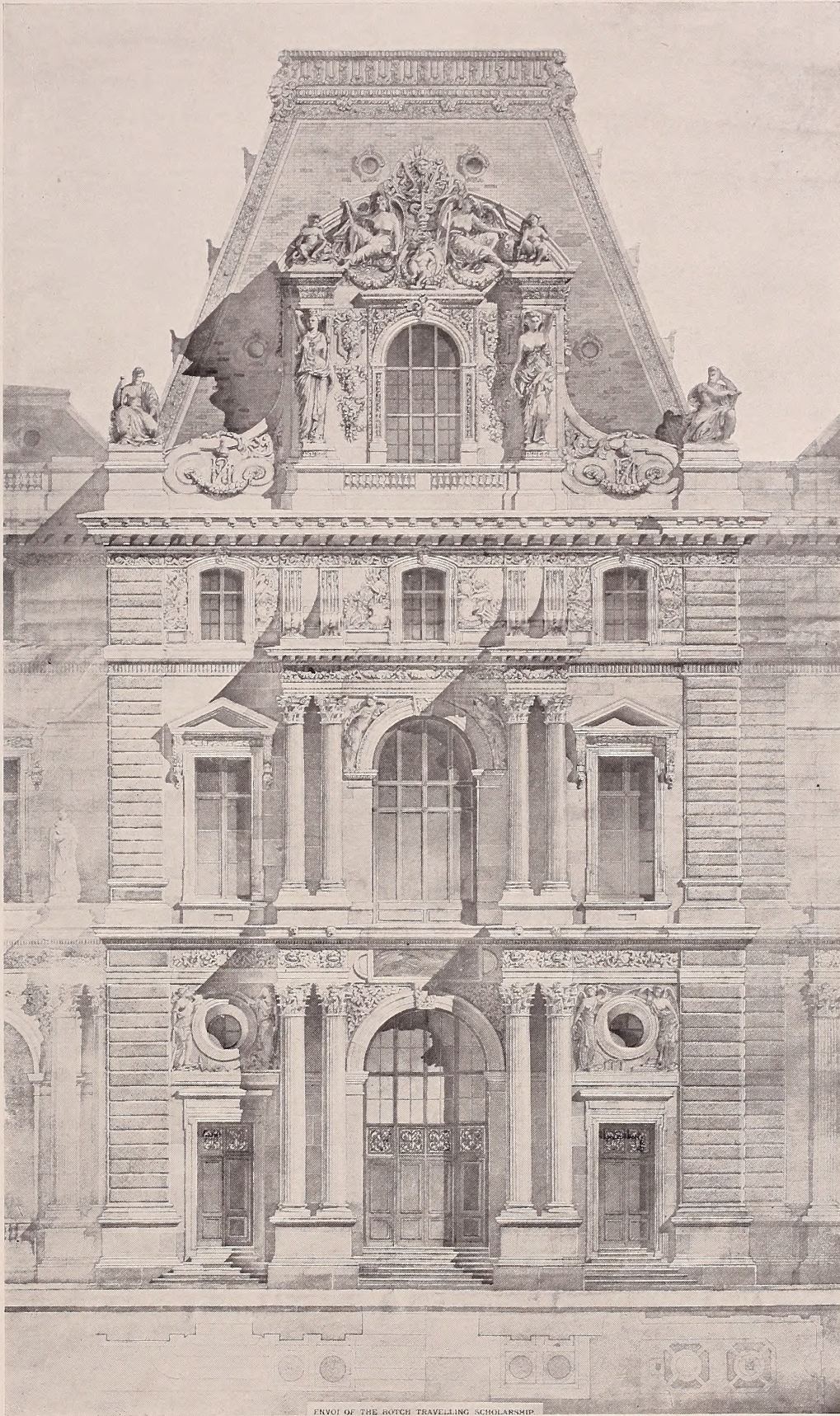


UNO OF THE FORTY TRAVELING SCHOLARSHIP

ROTCH SCHOLARSHIP ENVOI

I. P. LORD

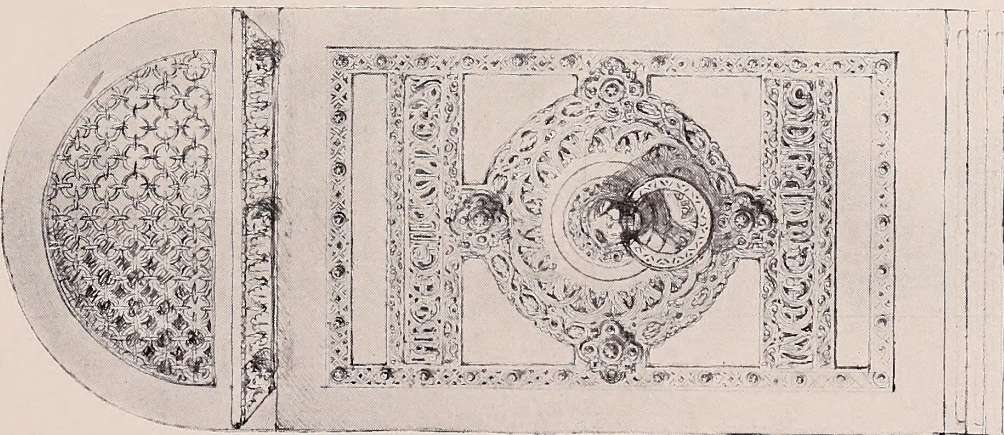
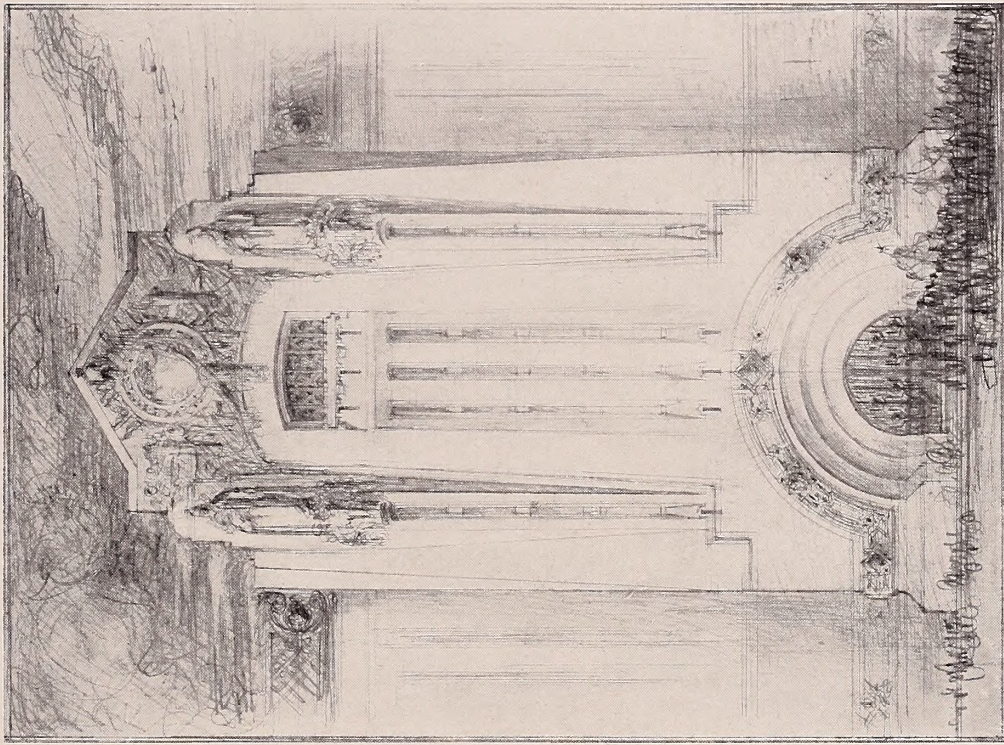
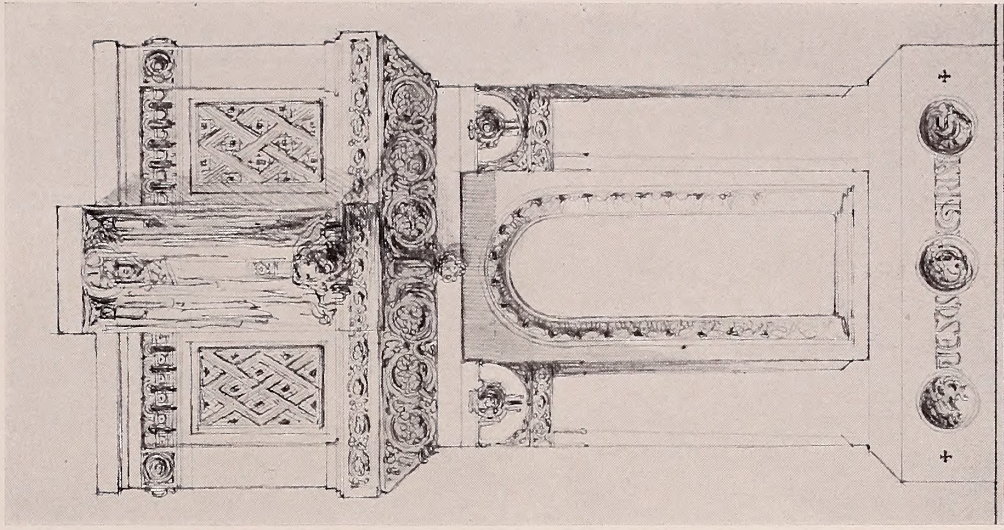
PALACE VIDONI, ROME



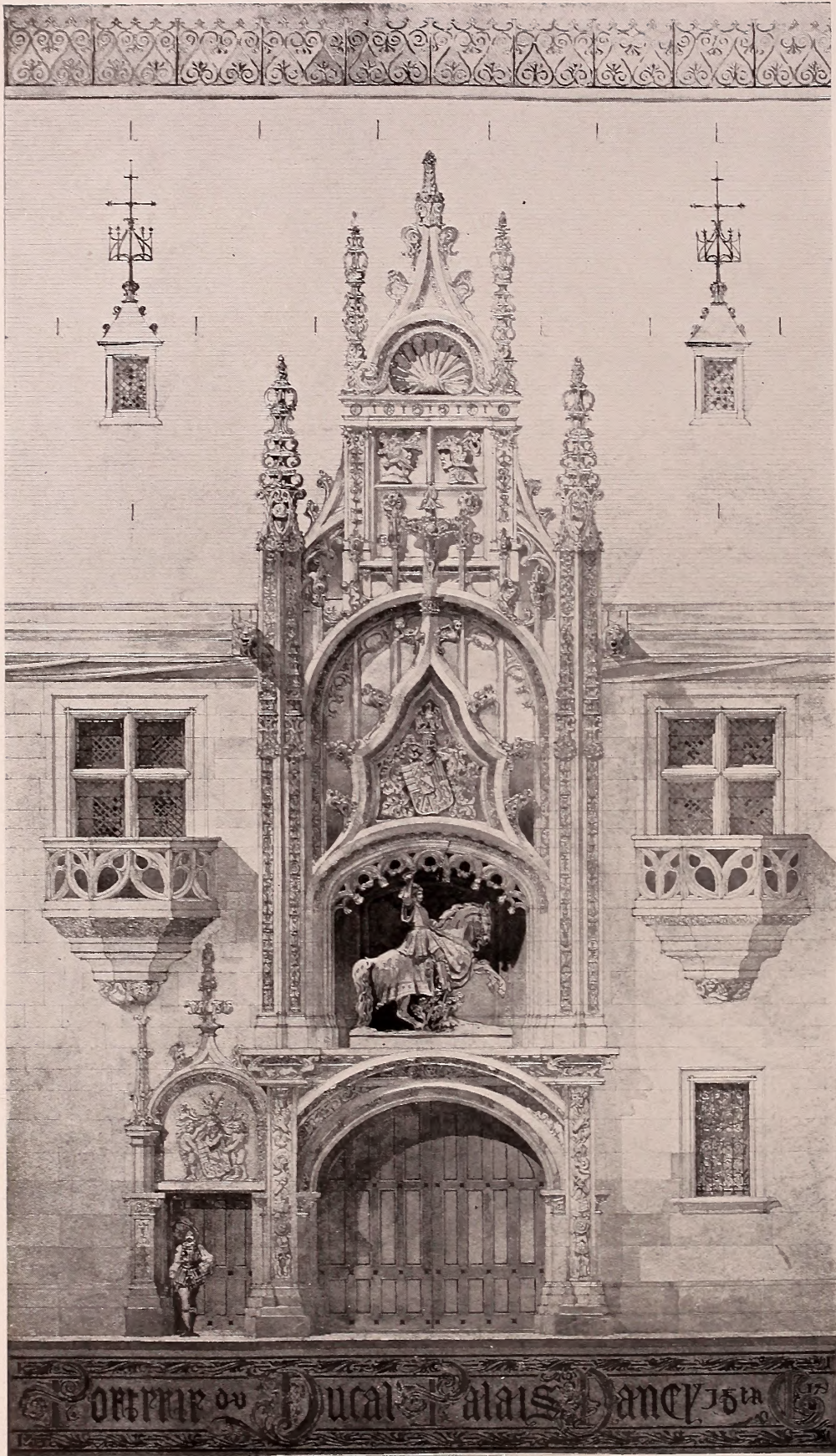
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BY OTTO FAELTEN
PAVILION OF THE LOUVRE, PARIS



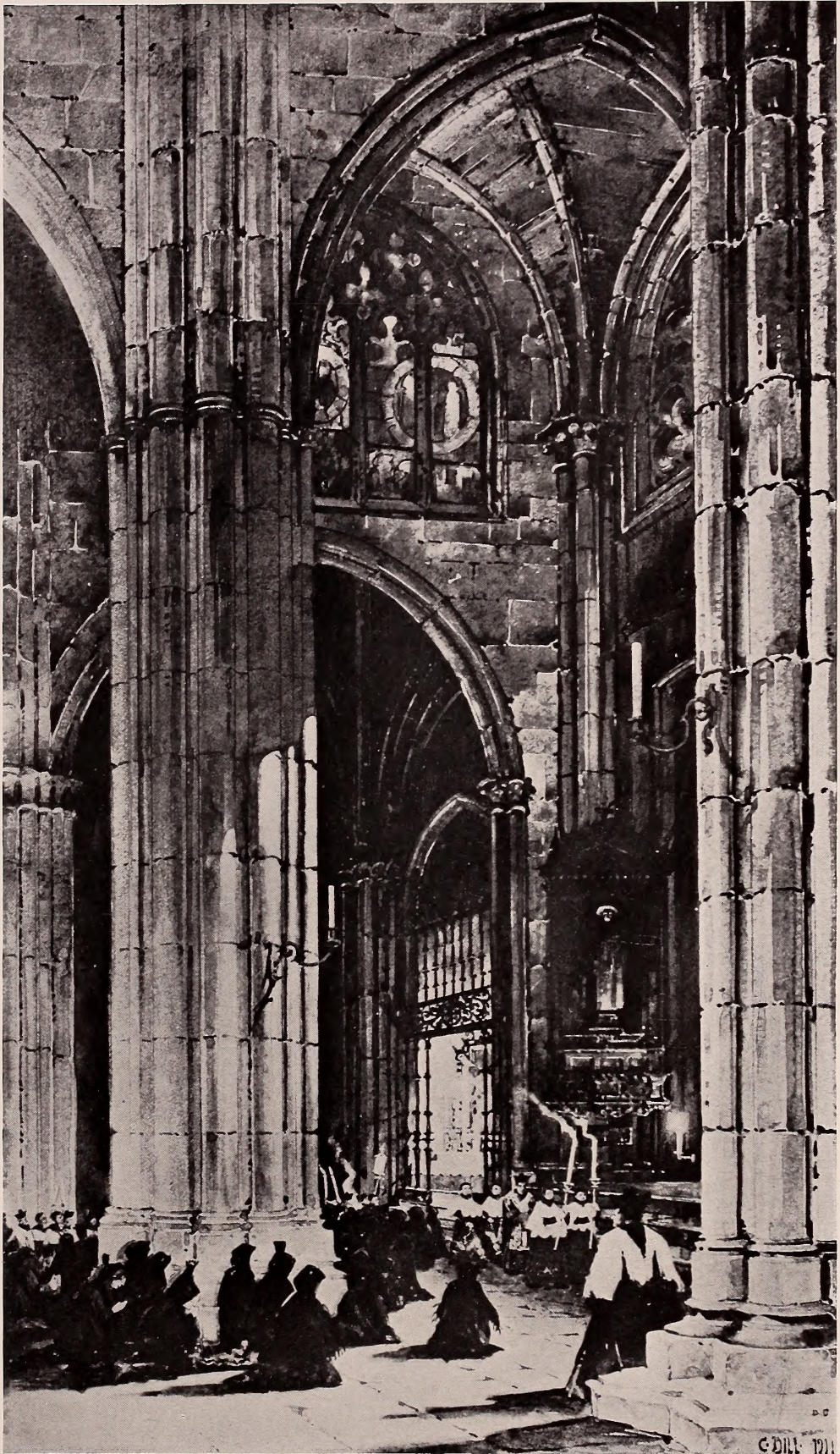
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I. P. LORD
PORTE ST. DENIS, PARIS



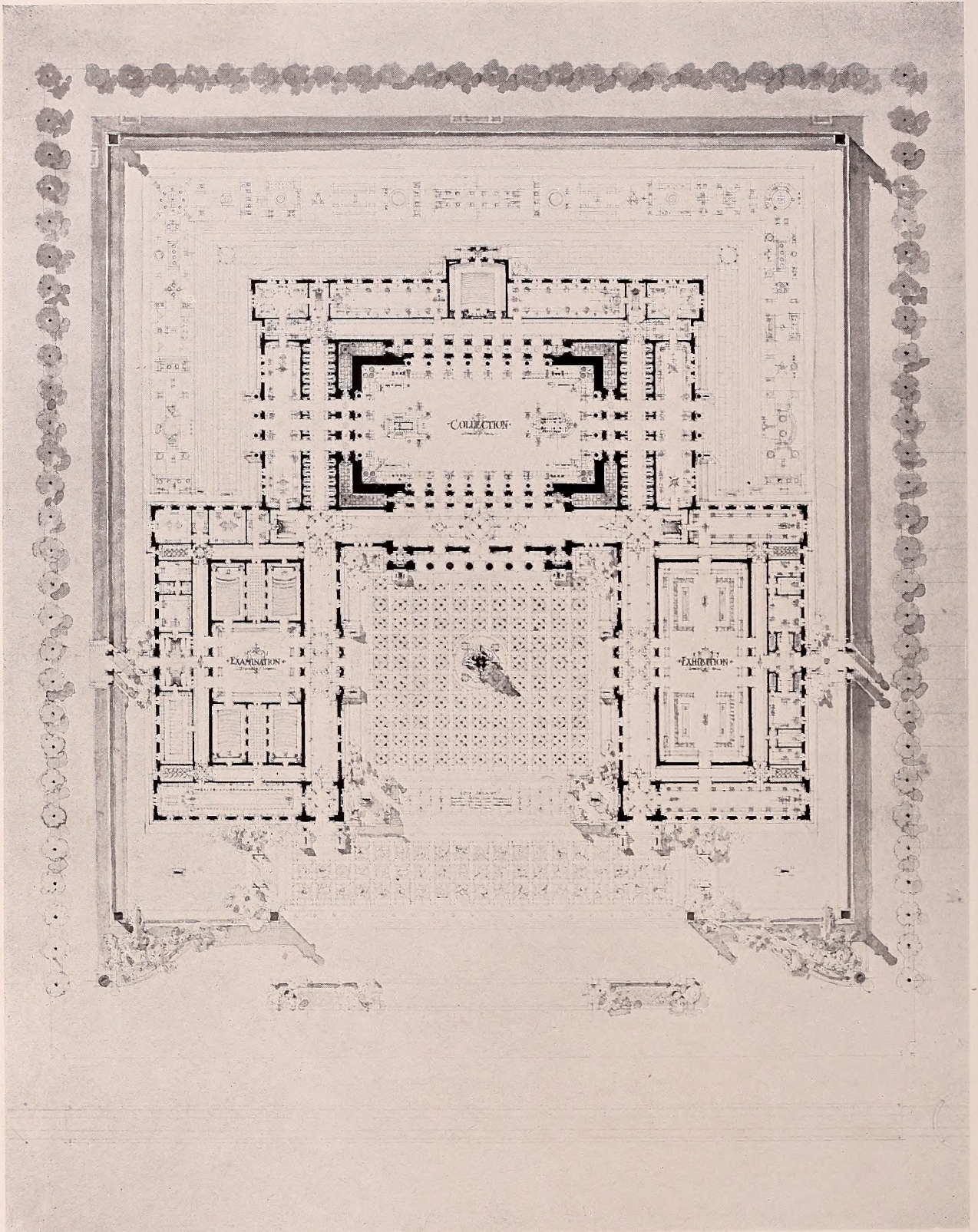
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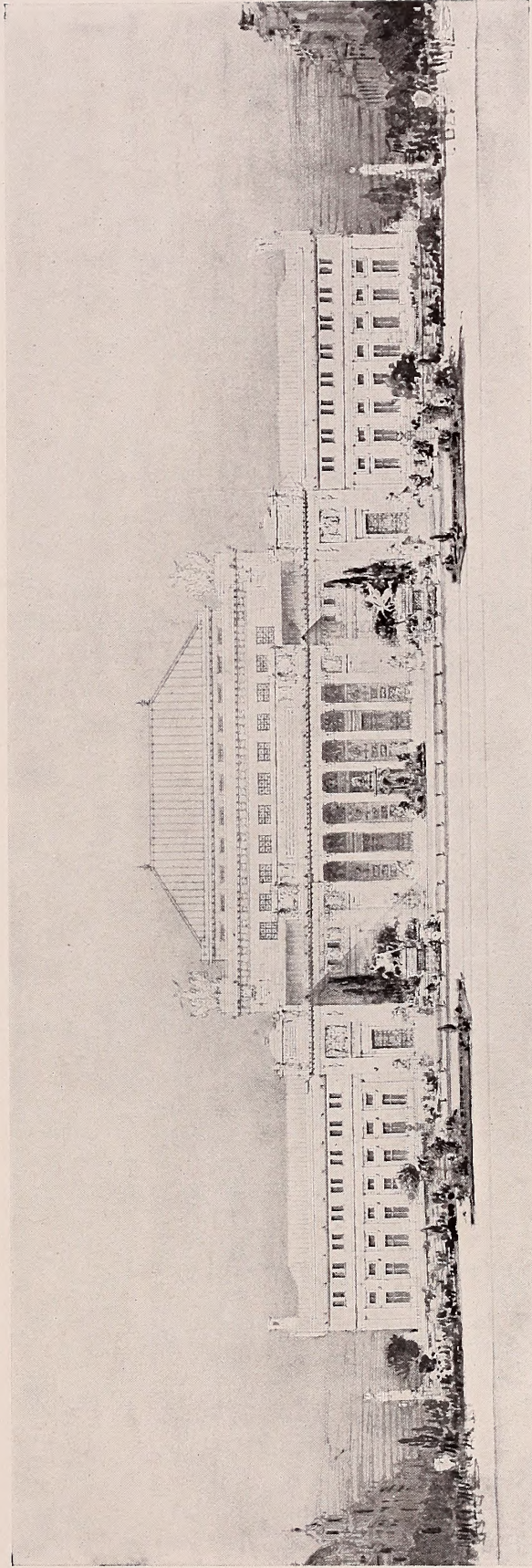
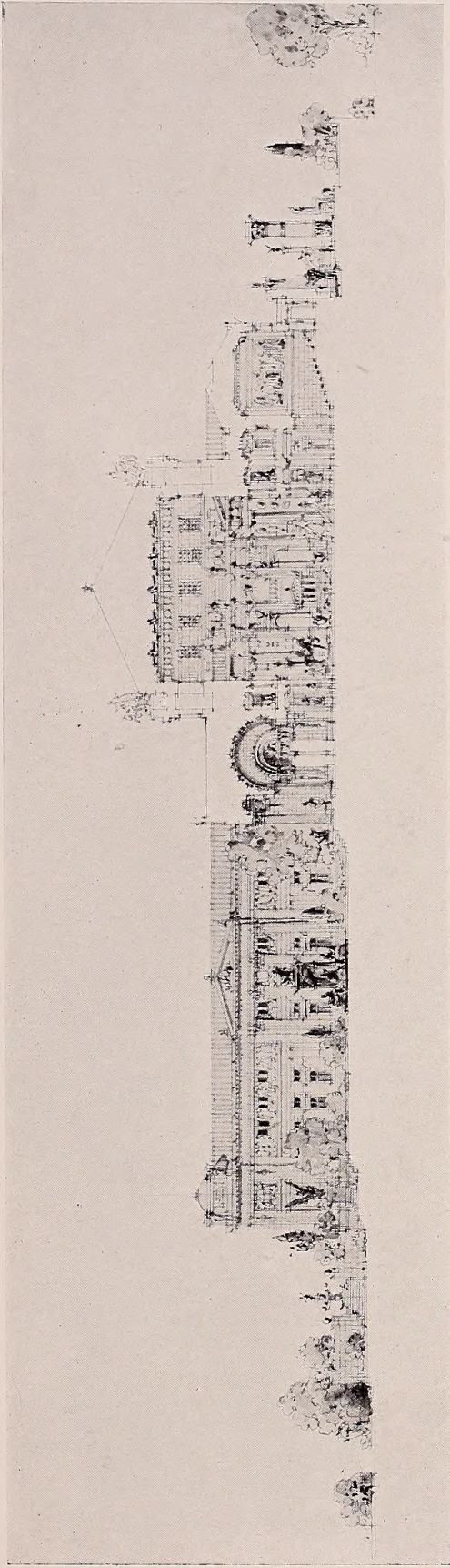
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ENTRANCE DOORWAY, DUCAL PALACE, NANCY



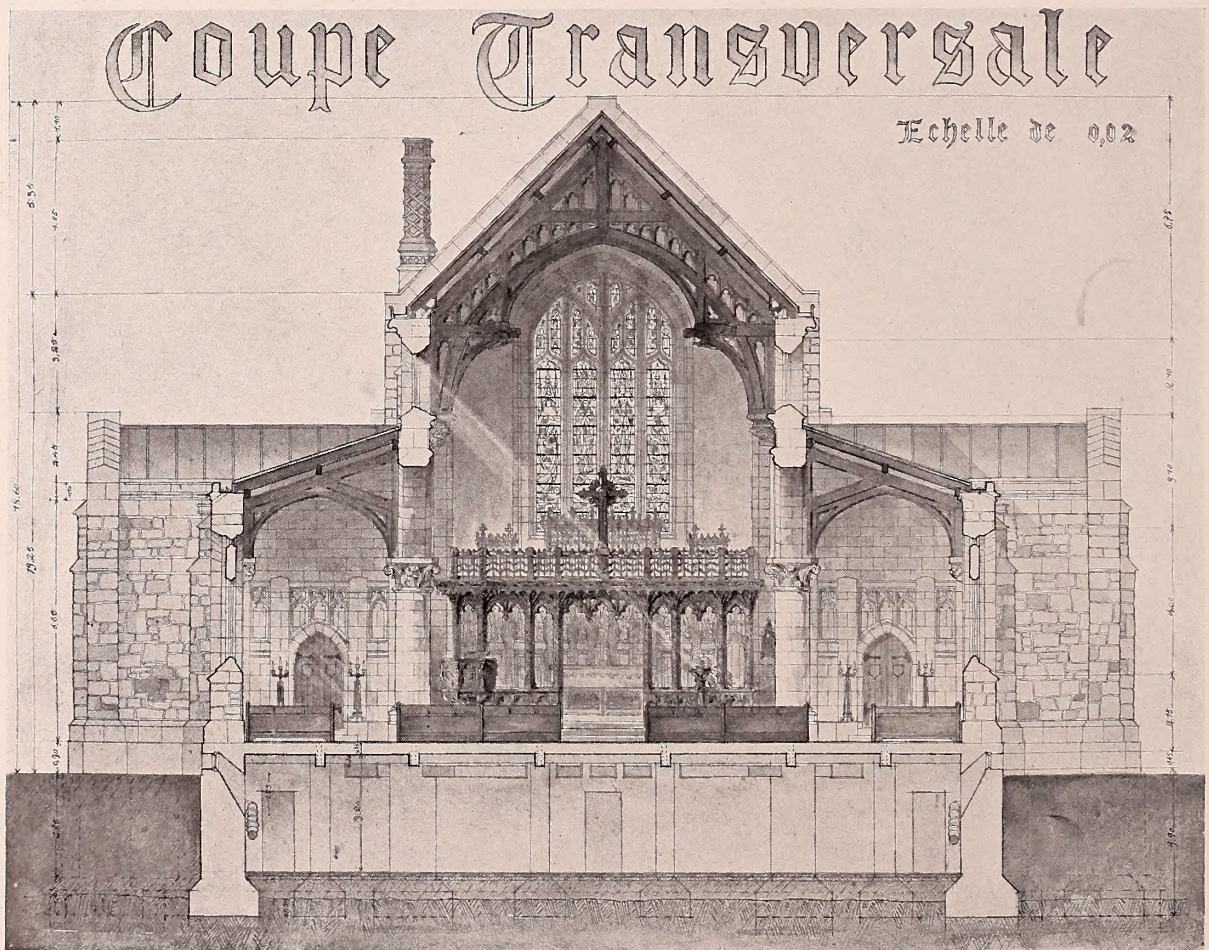
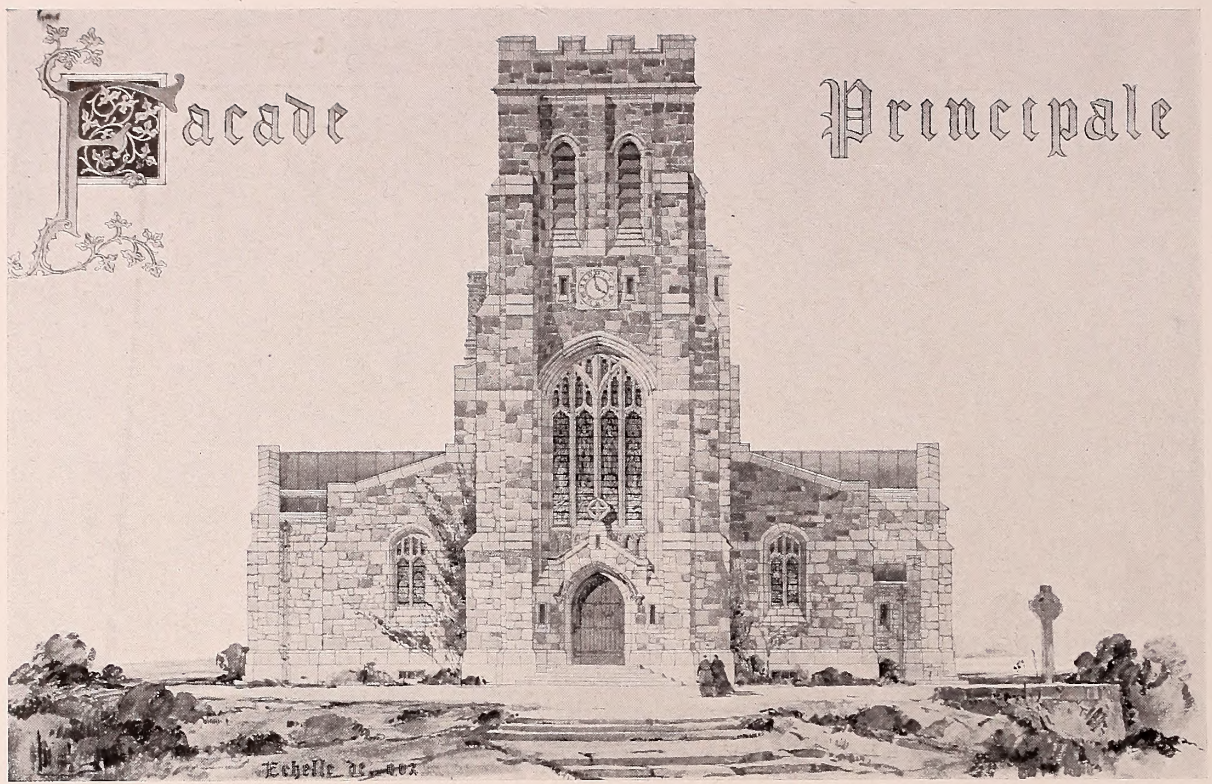
TOLEDO CATHEDRAL
SKETCH BY MR. CARROLL BILL



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WINNING DESIGN BY N. H. LARSEN

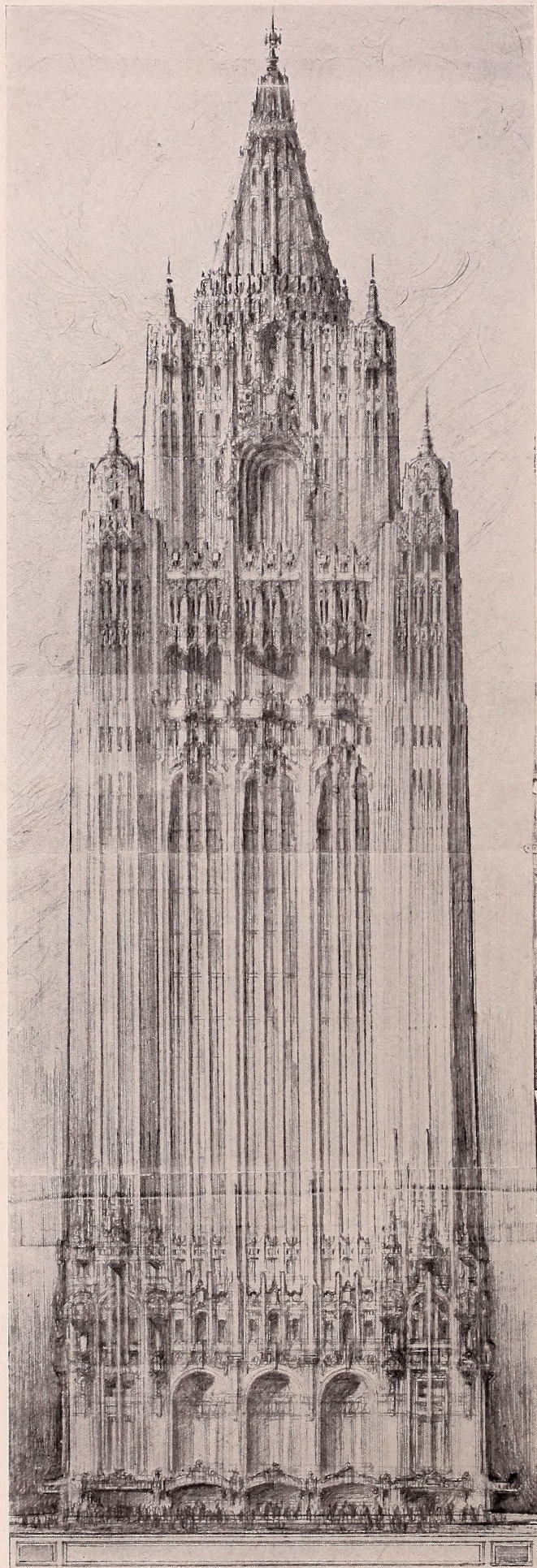


COMPETITION FOR THE ROTCH TRAVELING SCHOLARSHIP 1911
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Ecole des Beaux Arts, Paris

DIPLOME DRAWINGS — H. F. KELLOGG



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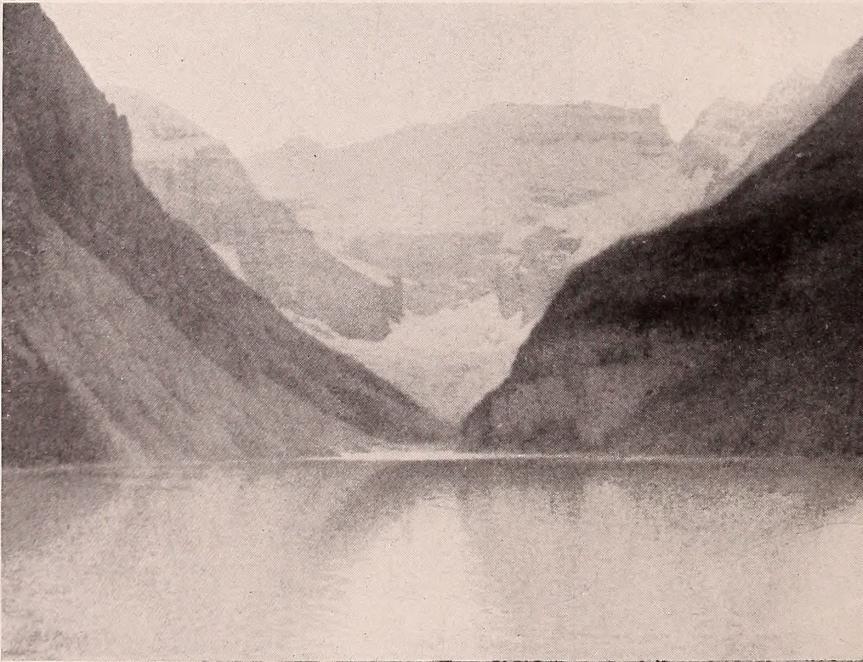
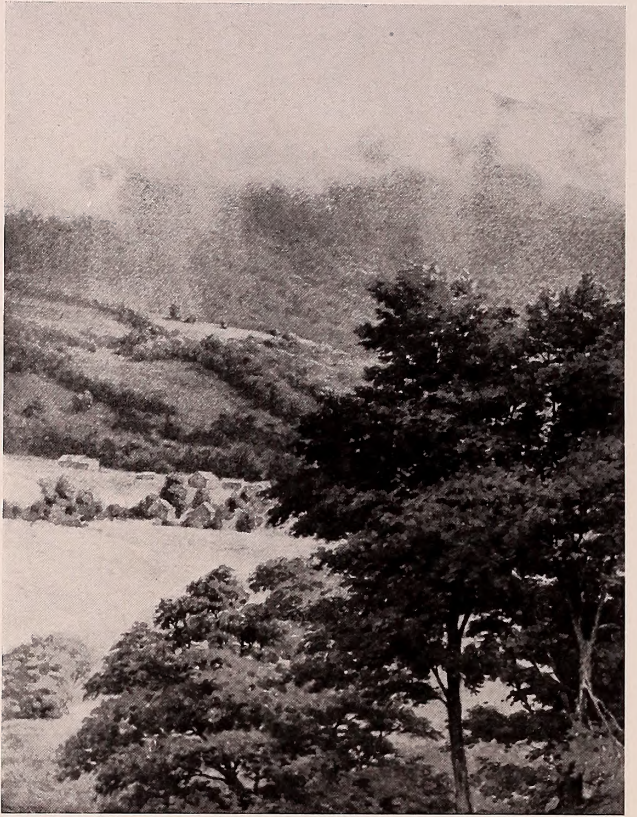


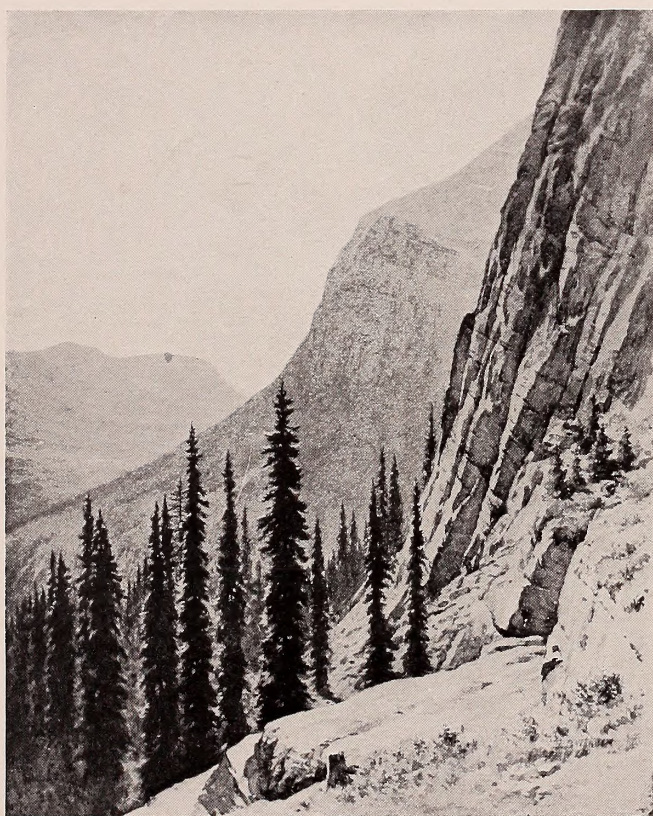
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BY CARROLL BILL



SKETCH AT NASSAU BY RALPH W. GRAY

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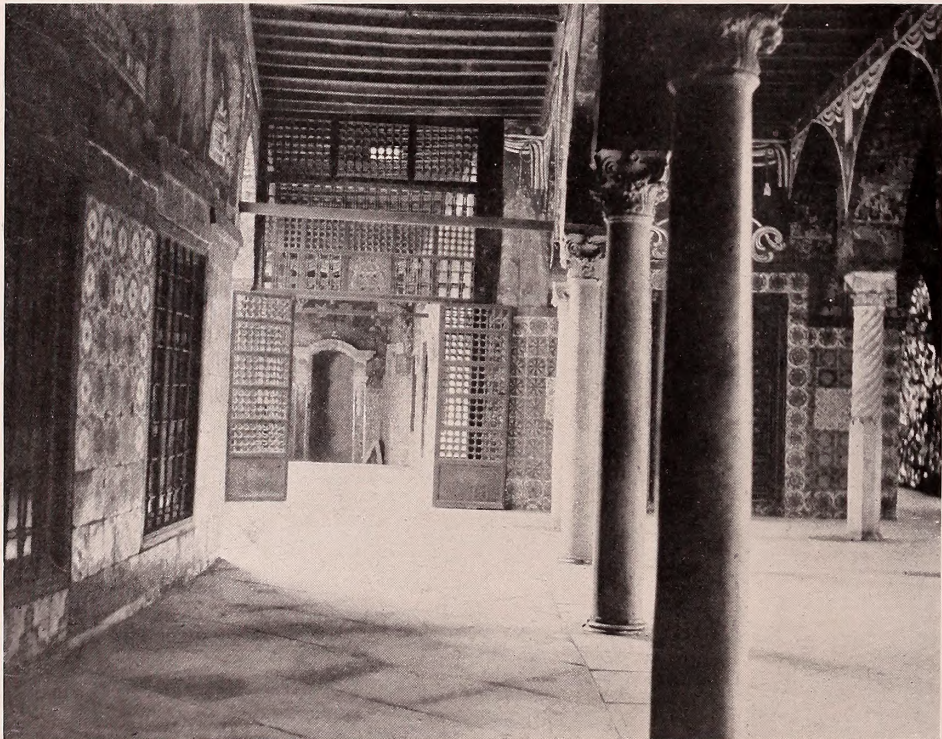




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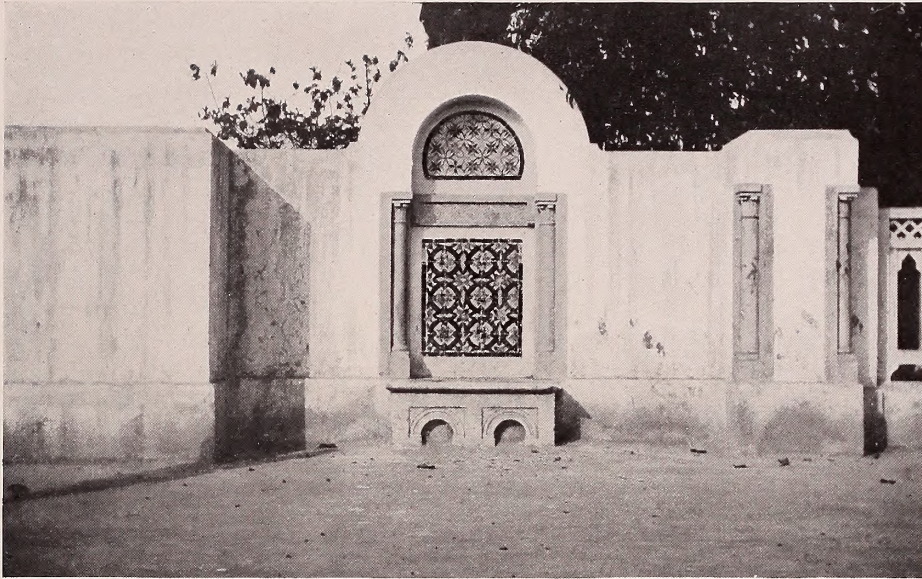


MOSQUE AT KAIROUAN



INTERIOR OF DEY'S PALACE IN CONSTANTINE

Photographs taken in Algeria by George B. Dexter

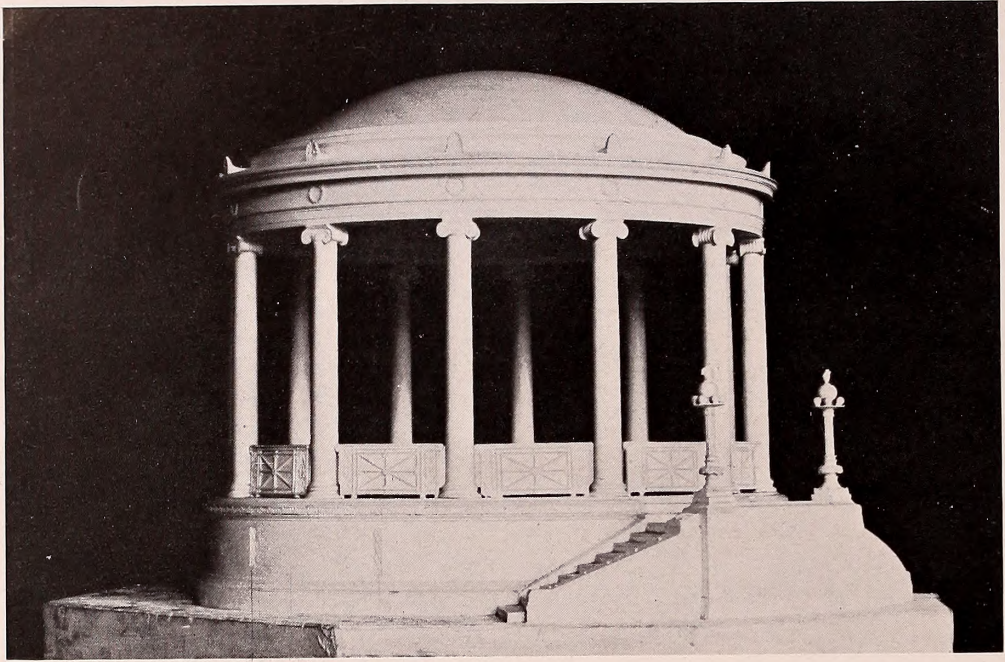


WALL OF BARDO PALACE, TUNIS

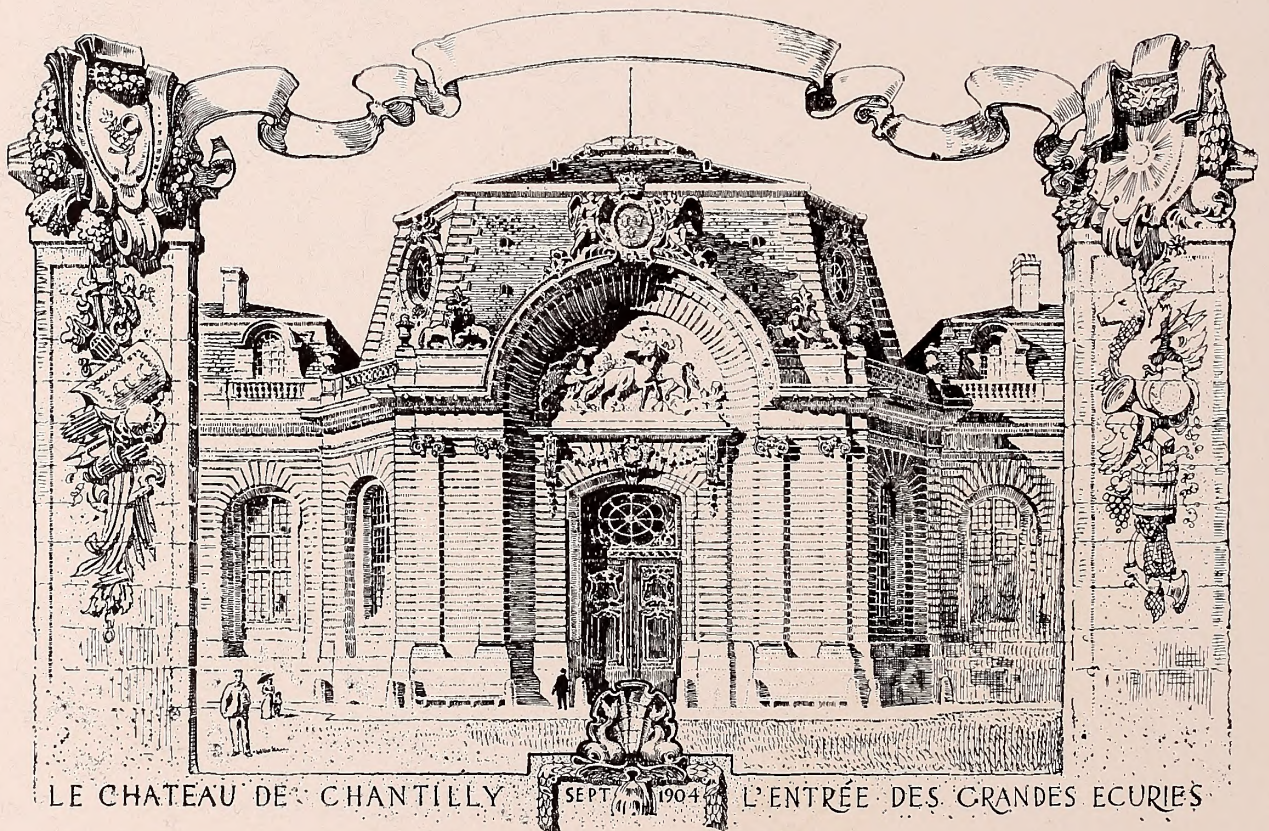


HOUSE IN ALGIERS

Photographs taken by George B. Dexter



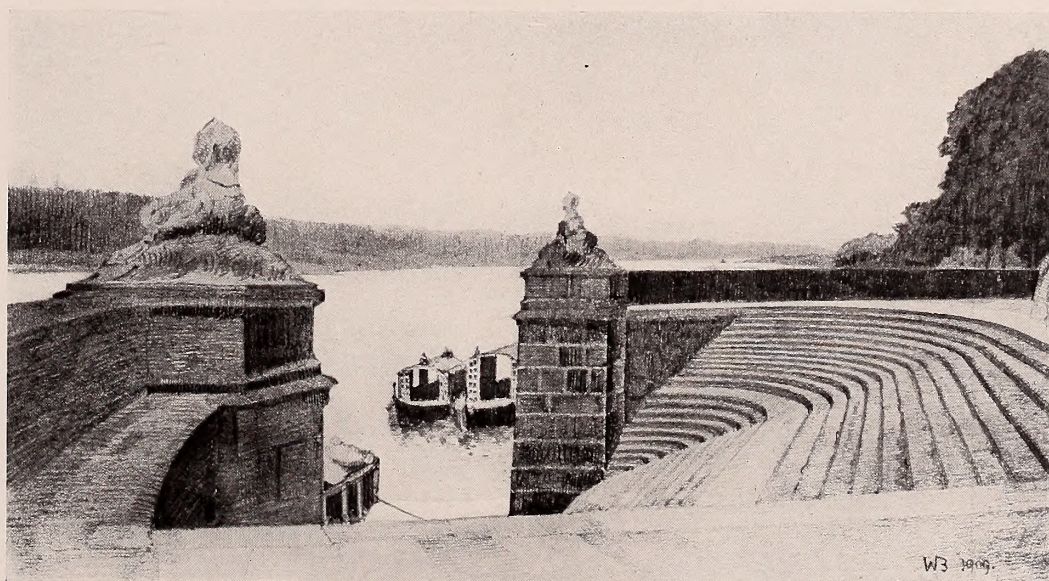
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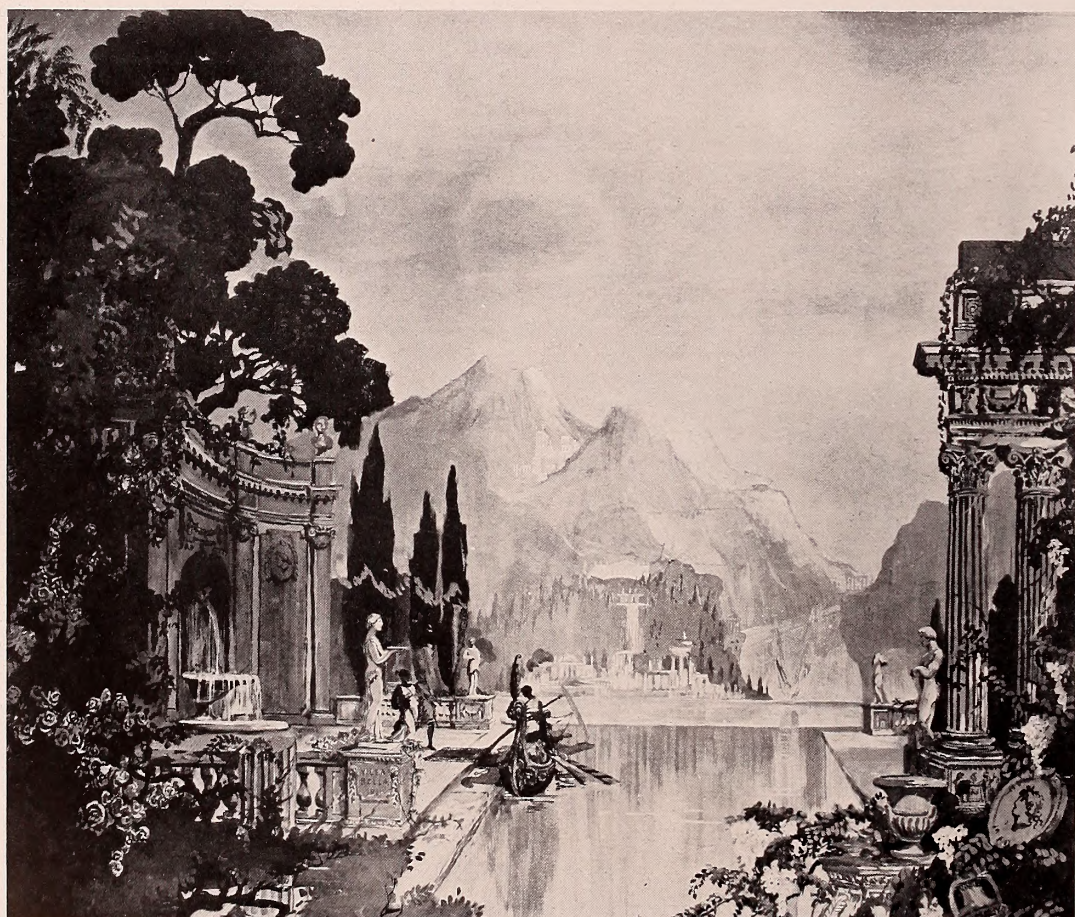


SKETCH NEAR DRESDEN

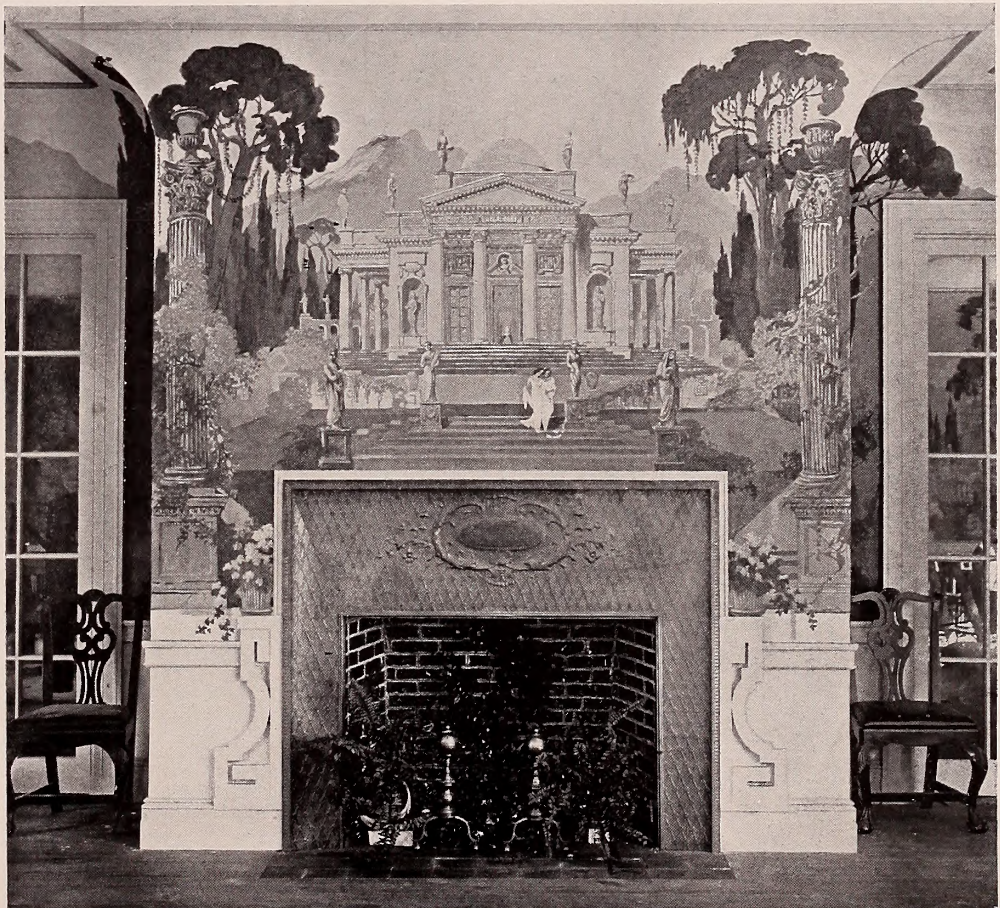
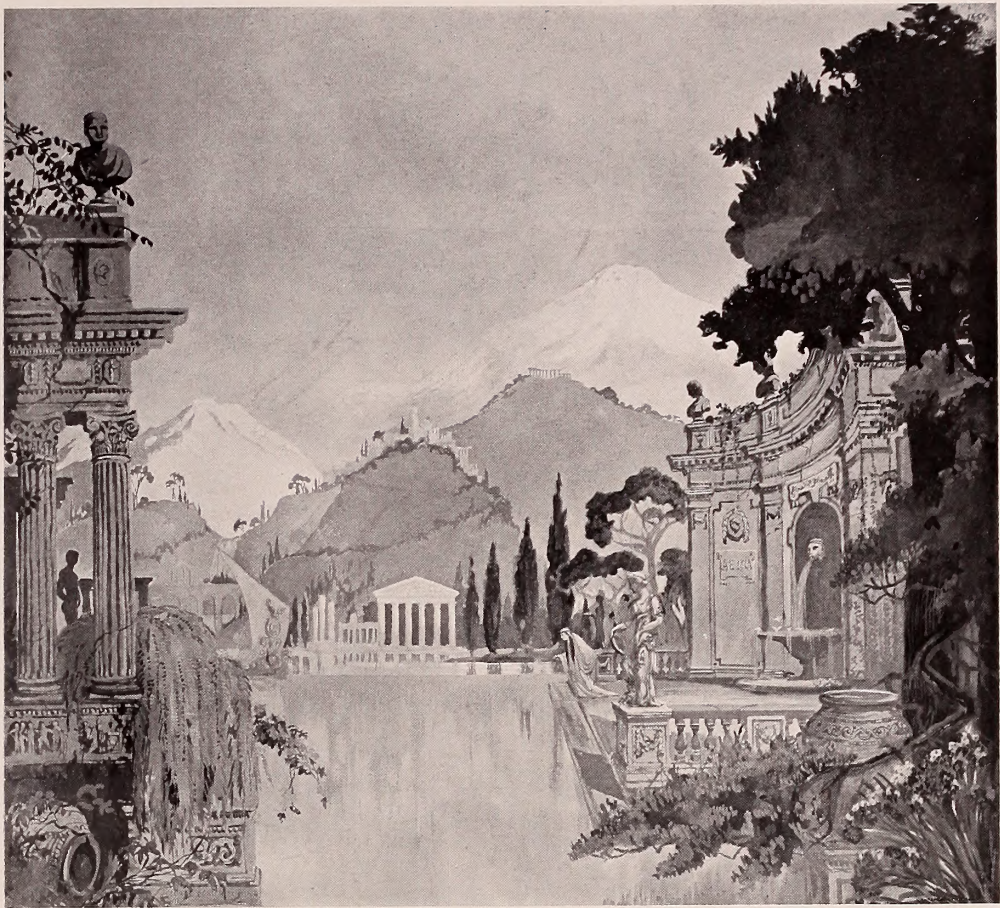


WATER GATE — PALACE OF KING OF SAXONY

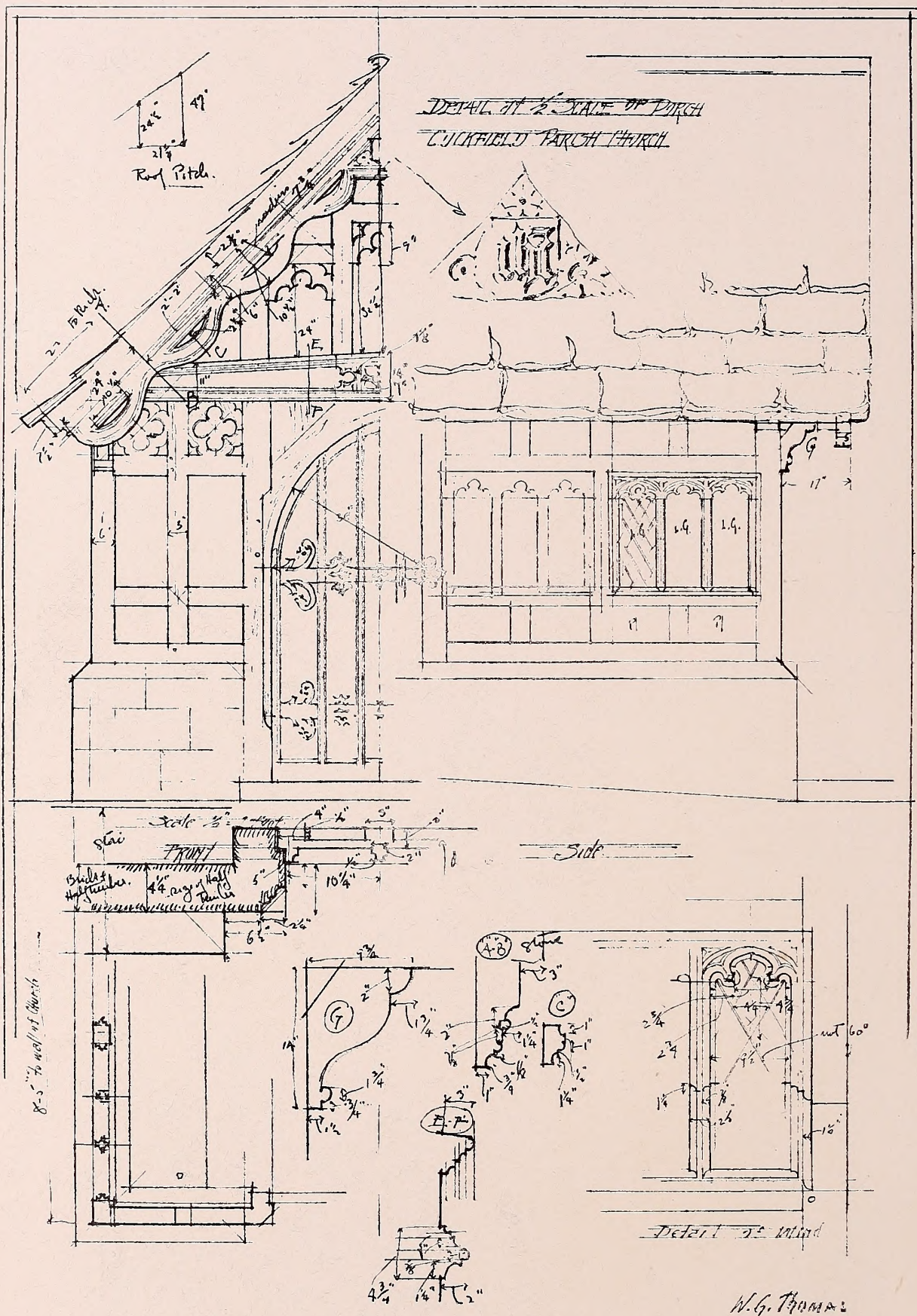
DRAWINGS BY WILLIAM BERNHARD



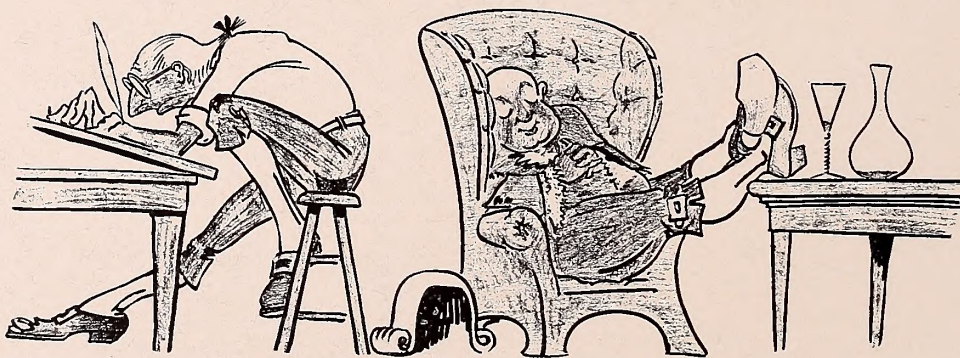
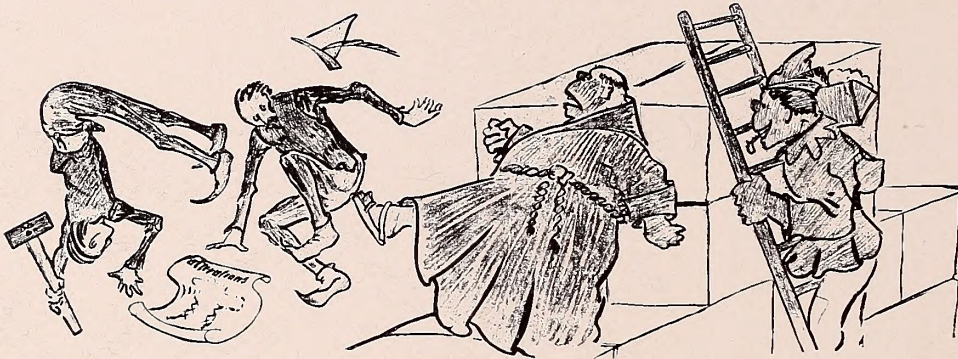
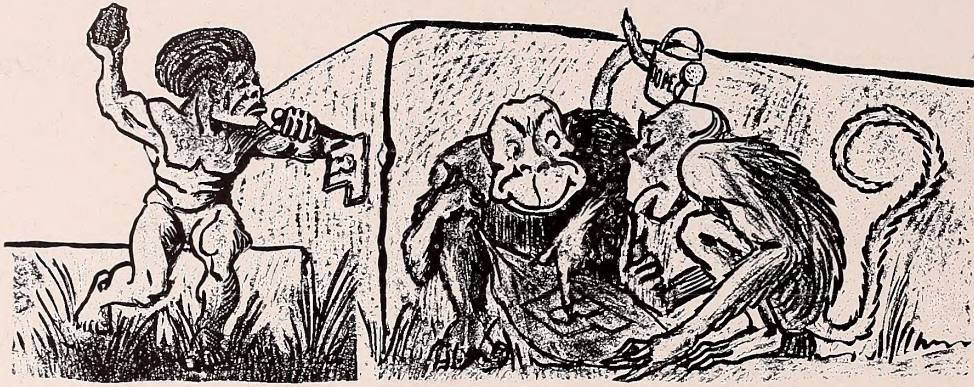
MURAL DECORATIONS EXHIBITED BY MR. GEORGE P. FERNALD
HOUSE AT BAR HARBOR, MAINE



MURAL DECORATIONS EXHIBITED BY MR. GEORGE P. FERNALD
HOUSE AT BAR HARBOR, MAINE



SKETCHES BY WALTER G. THOMAS



ARCHITECTURAL PRACTICE AT VARIOUS PERIODS
FROM THE HUMOROUS EXHIBITION BY R. CLIPSTON STURGIS' OFFICE

EXAMPLES OF
COLONIAL DOMESTIC ARCHITECTURE
OF SALEM AND VICINITY

EXAMPLES OF DOMESTIC COLONIAL ARCHITECTURE OF SALEM AND VICINITY



Date, 1745

Built by "King" Hooper

"THE LINDENS." FRANCIS PEABODY ESTATE, DANVERS
GENERAL GAGE HEADQUARTERS, 1774

EXAMPLES OF DOMESTIC COLONIAL ARCHITECTURE OF SALEM AND VICINITY



Date, 1745

FRONT ENTRANCE
"THE LINDENS," FRANCIS PEABODY ESTATE, DANVERS, MASS.



Date, 1634-5

END OF WITCH HOUSE
ESSEX AND NORTH STREETS, SALEM, MASS.



Photograph by Frank Cousins Art Co.

DOW MANSION, SALEM, MASS. 1787

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Date, 1800

McIntire, Architect

ENTRANCE DOOR. TUCKER-RICE HOUSE
129 ESSEX STREET, SALEM, MASS.

EXAMPLES OF DOMESTIC COLONIAL ARCHITECTURE OF SALEM AND VICINITY



Photograph by Frank Cousens Art Co.

McIntire, Architect, 1782

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PIERCE-JAHONNOT-NICHOLS HOUSE, SALEM, MASS. ONE OF THE BEST SPECIMENS IN NEW ENGLAND.
POST URNS, WOOD, HAND CARVED

EXAMPLES OF DOMESTIC COLONIAL ARCHITECTURE OF SALEM AND VICINITY



Photograph by Frank Cousens Art Co.

Copyright by Boston Architectural Club

LEE MANSION, MARBLEHEAD, MASS. 1768
SAID TO HAVE COST £10,000



Date, 1817

DODGE-SHREVE HOUSE, 29 CHESTNUT STREET, SALEM, MASS.

EXAMPLES OF DOMESTIC COLONIAL ARCHITECTURE OF SALEM AND VICINITY



Date, 1818

FRONT ENTRANCE
ANDREW SAFFORD HOUSE, 13 WASHINGTON SQUARE, SALEM, MASS.



Date, 1738

FRONT DOOR
DERBY-WARD HOUSE, DERBY STREET, SALEM, MASS.

EXAMPLES OF DOMESTIC COLONIAL ARCHITECTURE OF SALEM AND VICINITY



Published by Frank Cousens Art Co., Salem, Mass.

PAGE HOUSE — BUILT ABOUT MIDDLE OF EIGHTEENTH CENTURY BY JEREMIAH PAGE
GENERAL GAGE, TOWN OFFICE, 1744



Date, 1785.

STEARNS DOORWAY, 384 ESSEX STREET, SALEM, MASS.

EXAMPLES OF DOMESTIC COLONIAL ARCHITECTURE OF SALEM AND VICINITY



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PEABODY-SILSBEE HOUSE, SALEM, MASS. 1797.

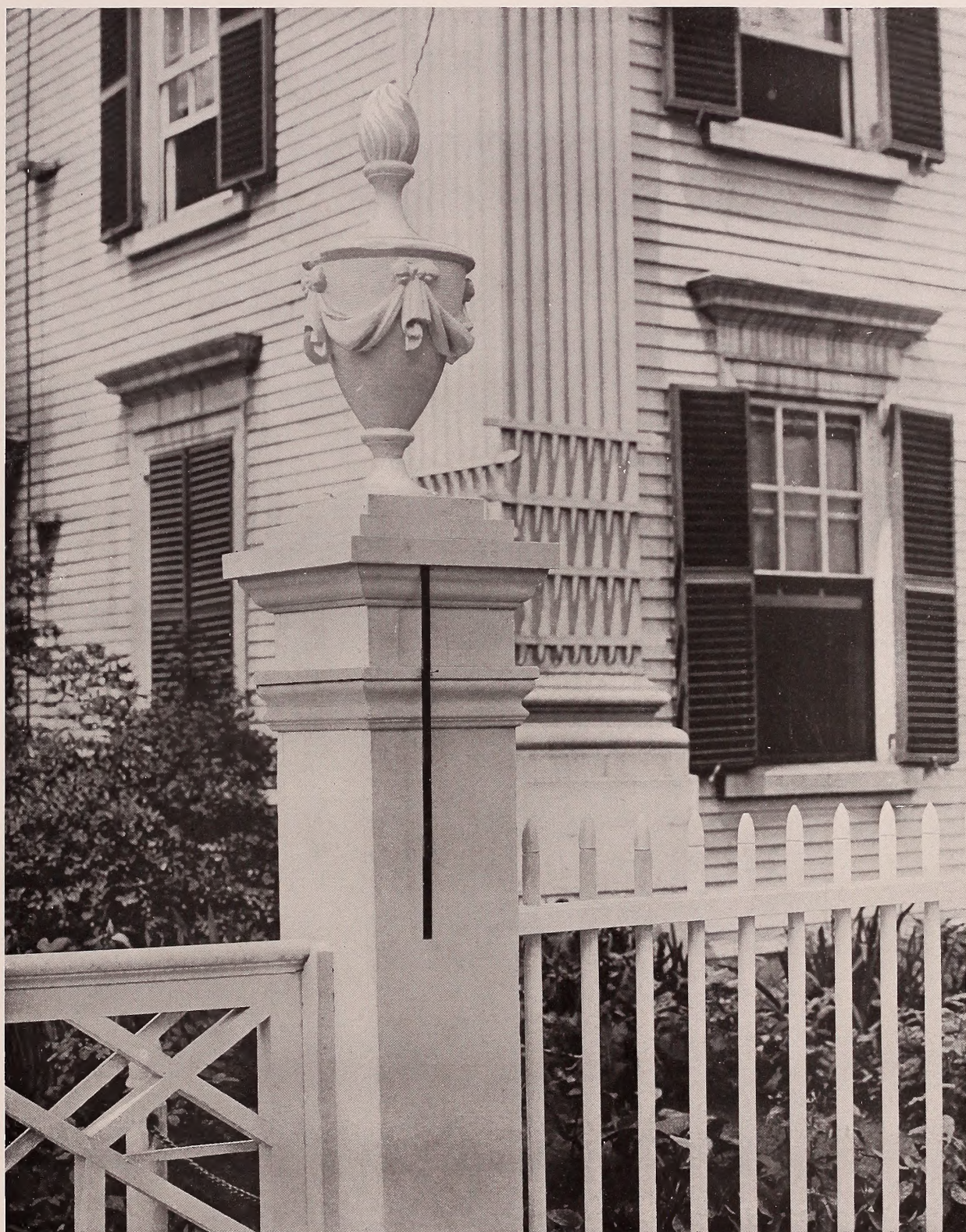


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McIntire, 1702

GATE POSTS. MCINTIRE
PIERCE-NICHOL HOUSE, 80 FEDERAL STREET, SALEM

EXAMPLES OF DOMESTIC COLONIAL ARCHITECTURE OF SALEM AND VICINITY



Date, 1782

McIntire, Architect

POST IN DETAIL
PIERCE-JAHONET-NICHOL HOUSE, 80 FEDERAL STREET, SALEM

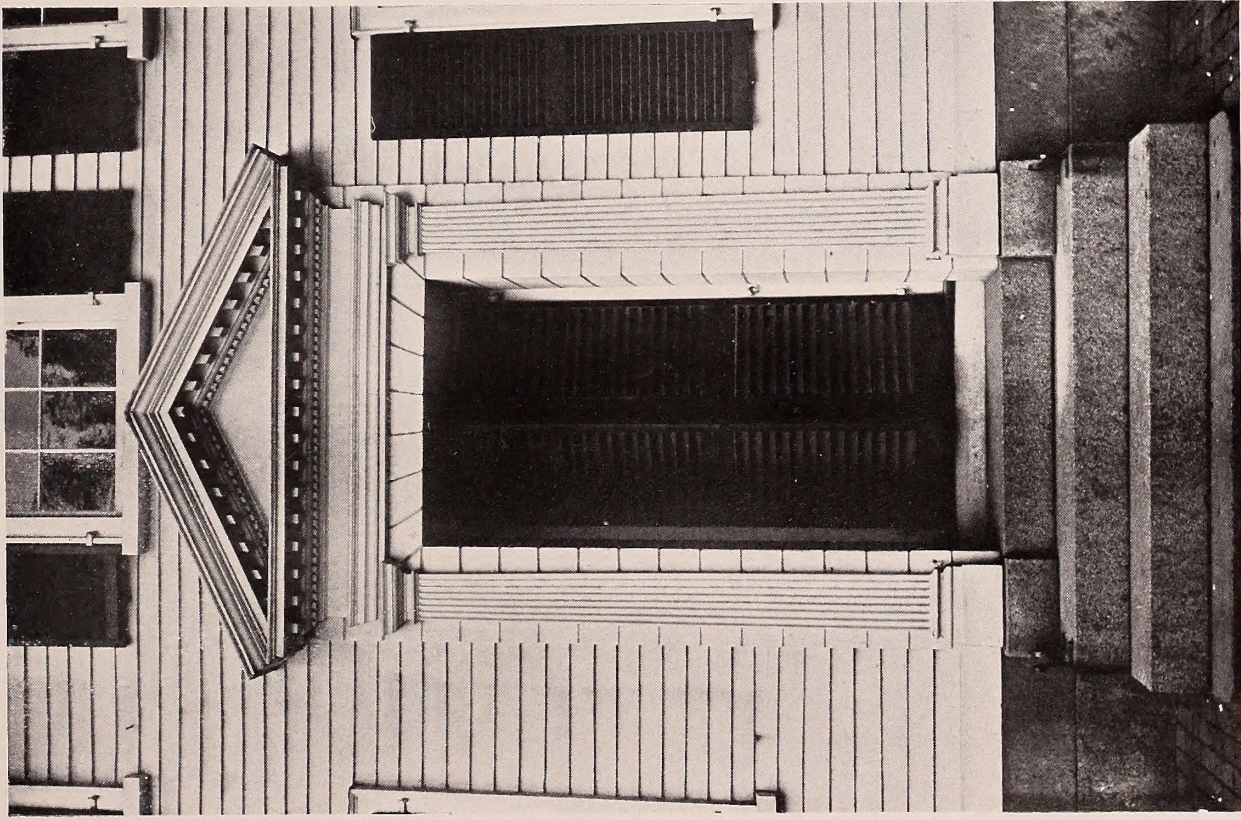


DOORWAY, 16 ST. PETER'S STREET, SALEM



Date, 1745

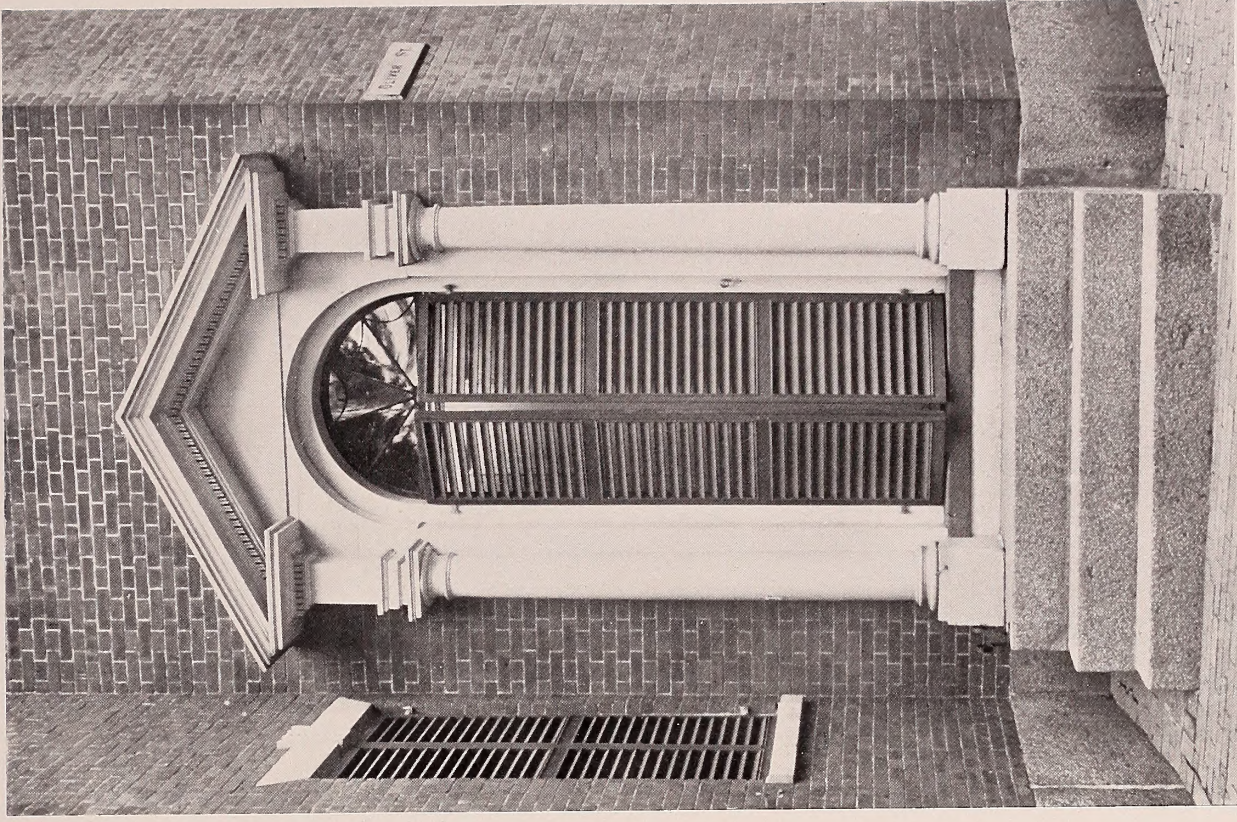
FRONT DOOR
"THE LINDENS," FRANCIS PEABODY ESTATE, DANVERS, MASS.



Photograph by Frank Cousins Art Co. Copyright by Boston Architectural Club

LINDALL-GIBBS HOUSE, SALEM, MASS.

1773



Photograph by Frank Cousins Art Co.

LORD HOUSE, SALEM, MASS. 1818
BRICKS IN FLEMISH BOND

EXAMPLES OF DOMESTIC COLONIAL ARCHITECTURE OF SALEM AND VICINITY

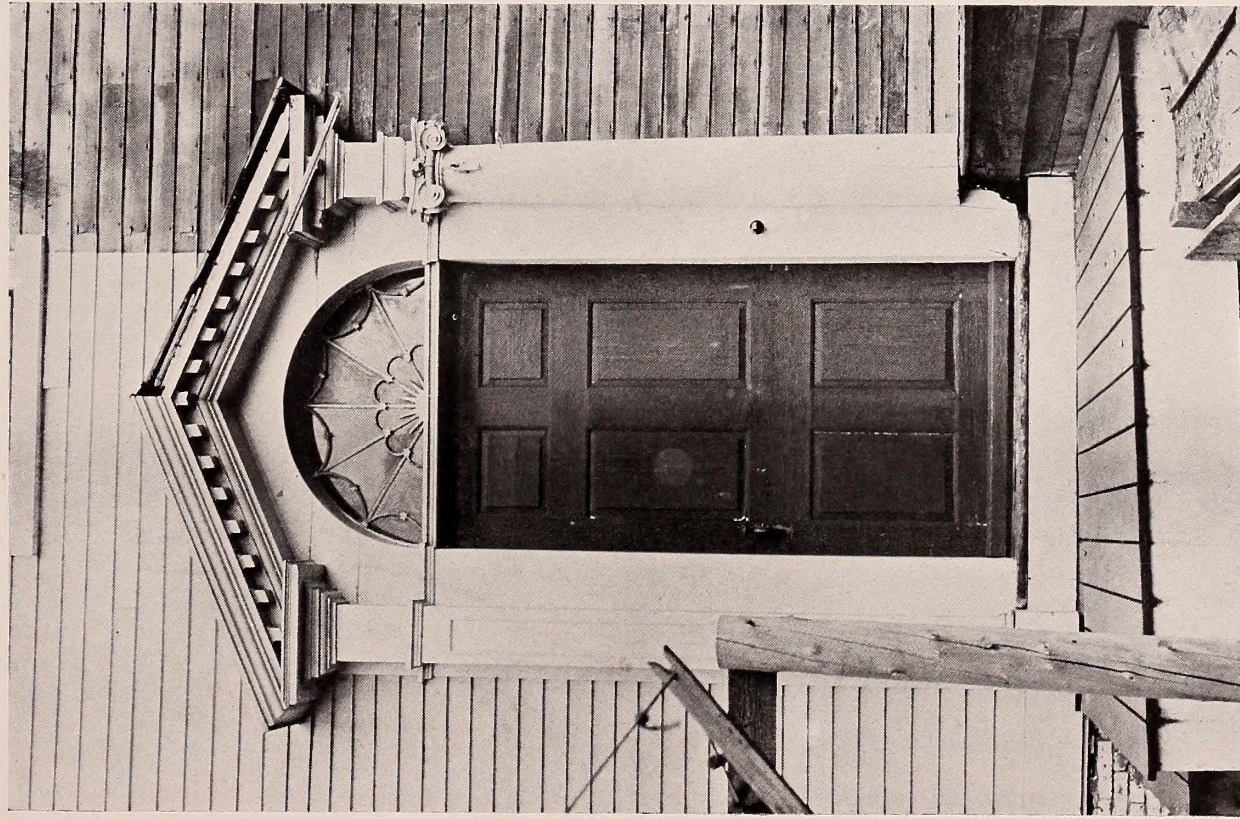


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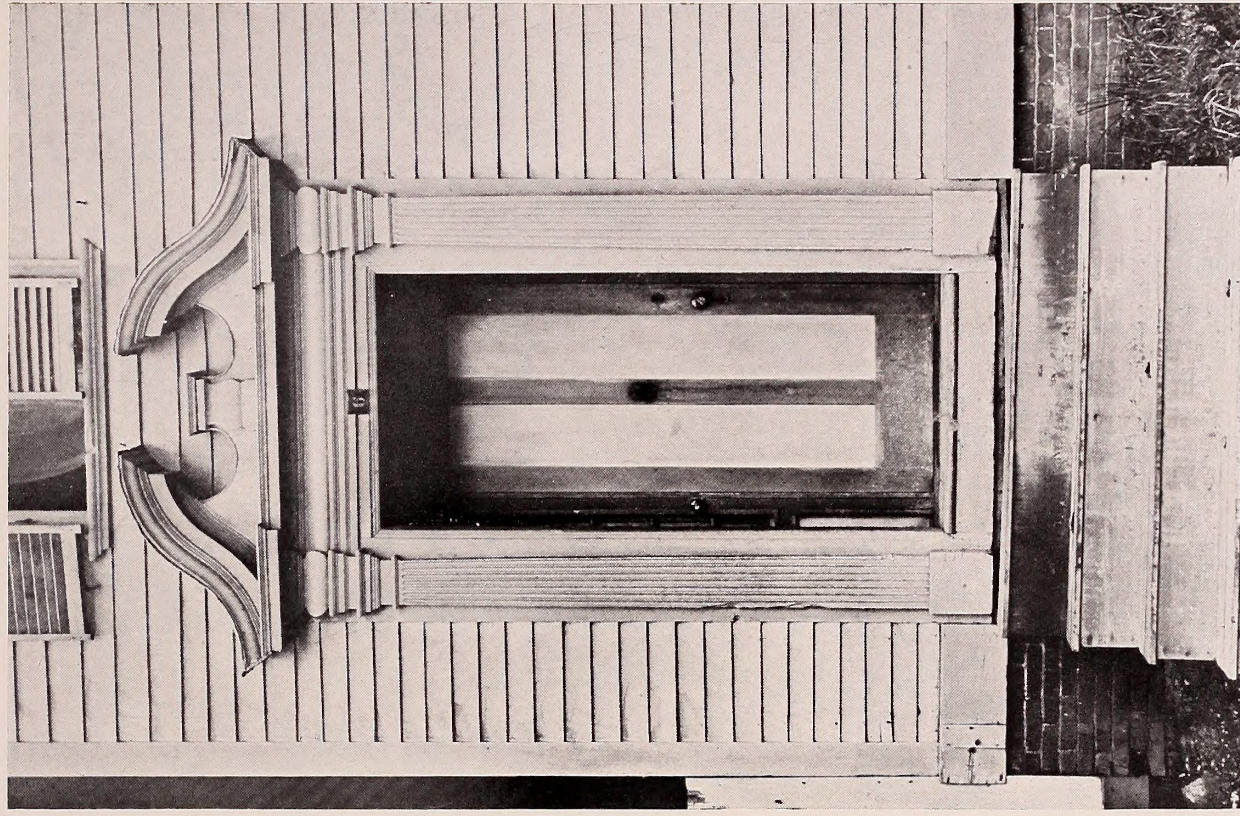
WELL-MEEK-HOUSE, SALEM, MASS. BEFORE 1780

EXAMPLES OF DOMESTIC COLONIAL ARCHITECTURE OF SALEM AND VICINITY



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DERBY STREET, SALEM, MASS.
TWO ORDERS, STOOD THIS WAY FOR ABOUT 21 YEARS
HOUSE ERECTED BEFORE 1780



Photograph by Frank Cousins Art Co. Copyright by Boston Architectural Club

DOWNING STREET, SALEM, MASS. ABOUT 1750



Date, 1816

FRONT DOOR, PICKMAN-SHREVE HOUSE
27 CHESTNUT STREET, SALEM, MASS.

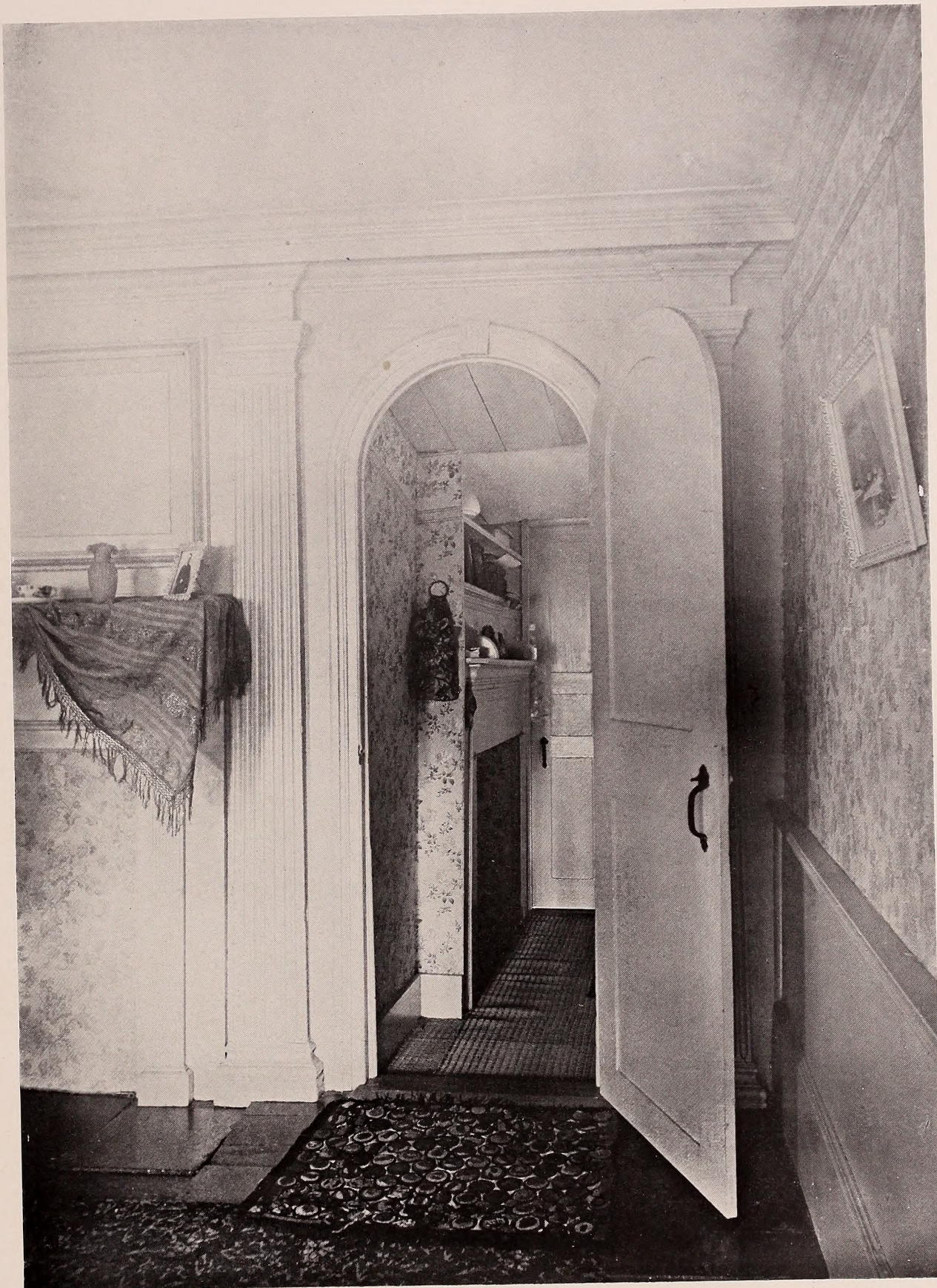


Date, 1797

McIntire, Architect

PARLOR DOOR-WAY
COOK OLIVER HOUSE, FEDERAL STREET, SALEM, MASS.

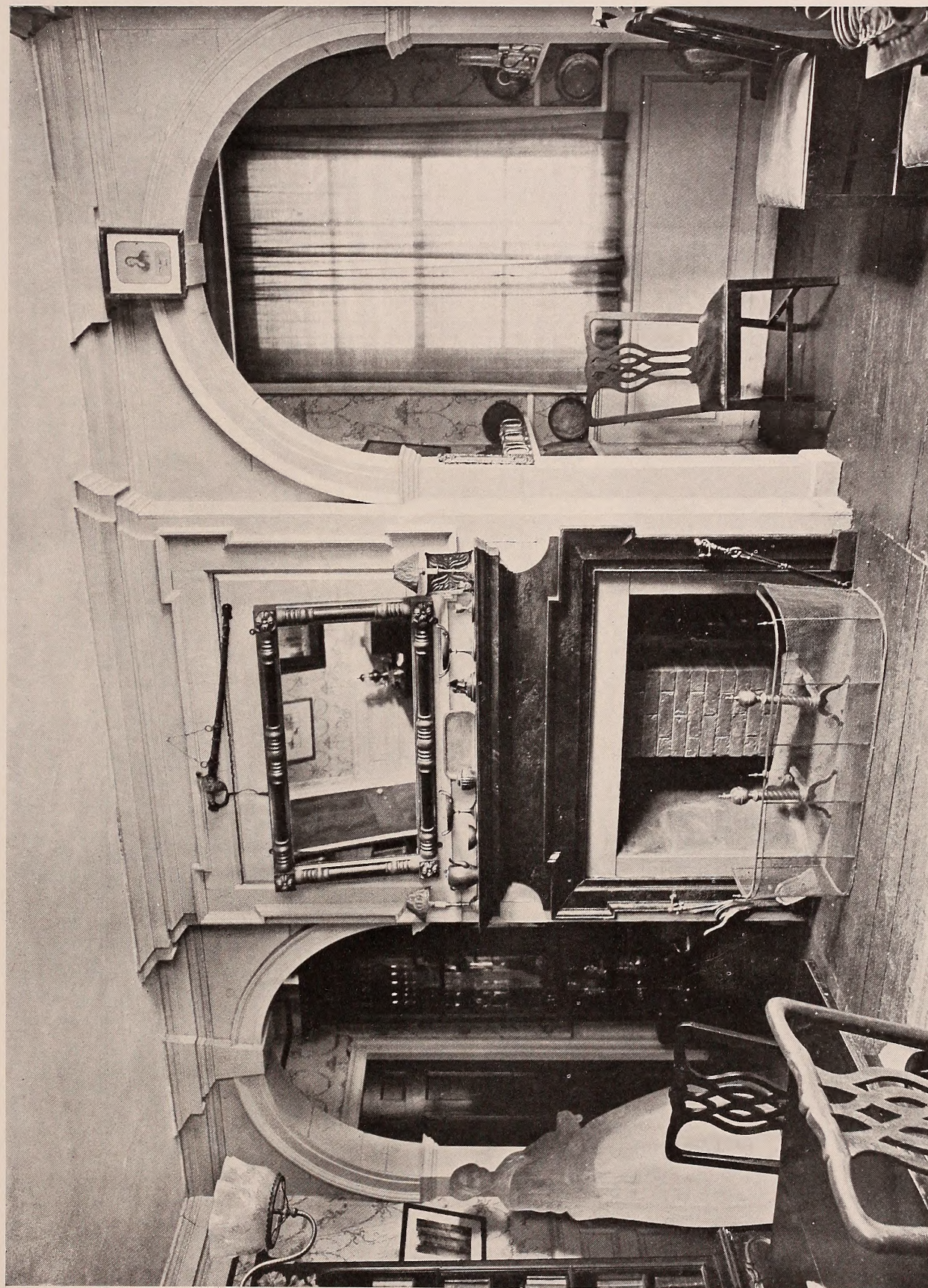
EXAMPLES OF DOMESTIC COLONIAL ARCHITECTURE OF SALEM AND VICINITY



Date, 1713

DOOR TO STUDY
BENJAMIN PRESCOTT HOUSE, PEABODY

EXAMPLES OF DOMESTIC COLONIAL ARCHITECTURE OF SALEM AND VICINITY



Photograph by Frank Cousens Art Co.

COL. WILLIAM R. LEE HOUSE, MARBLEHEAD, MASS.
ABOUT 1750

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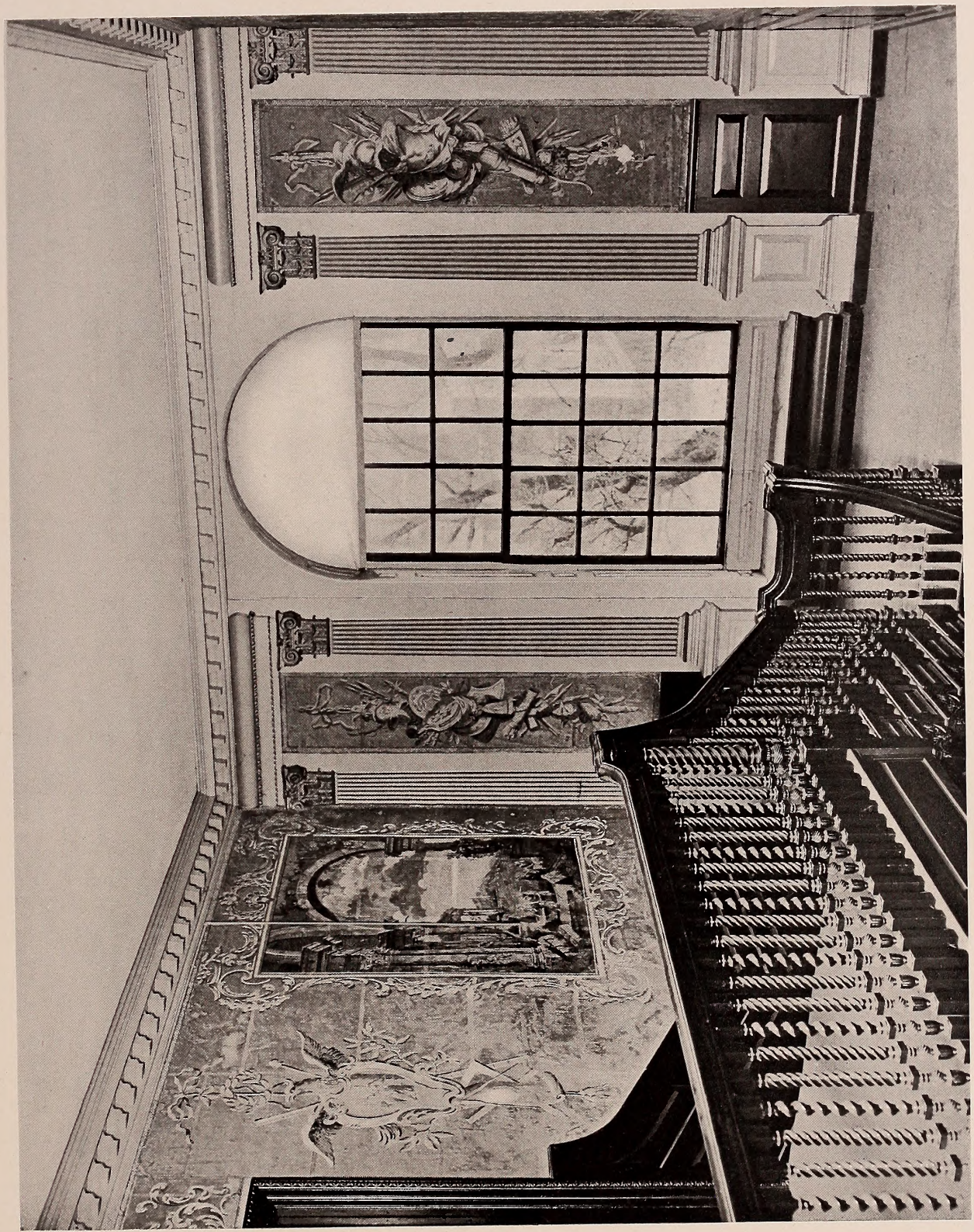
EXAMPLES OF DOMESTIC COLONIAL ARCHITECTURE OF SALEM AND VICINITY



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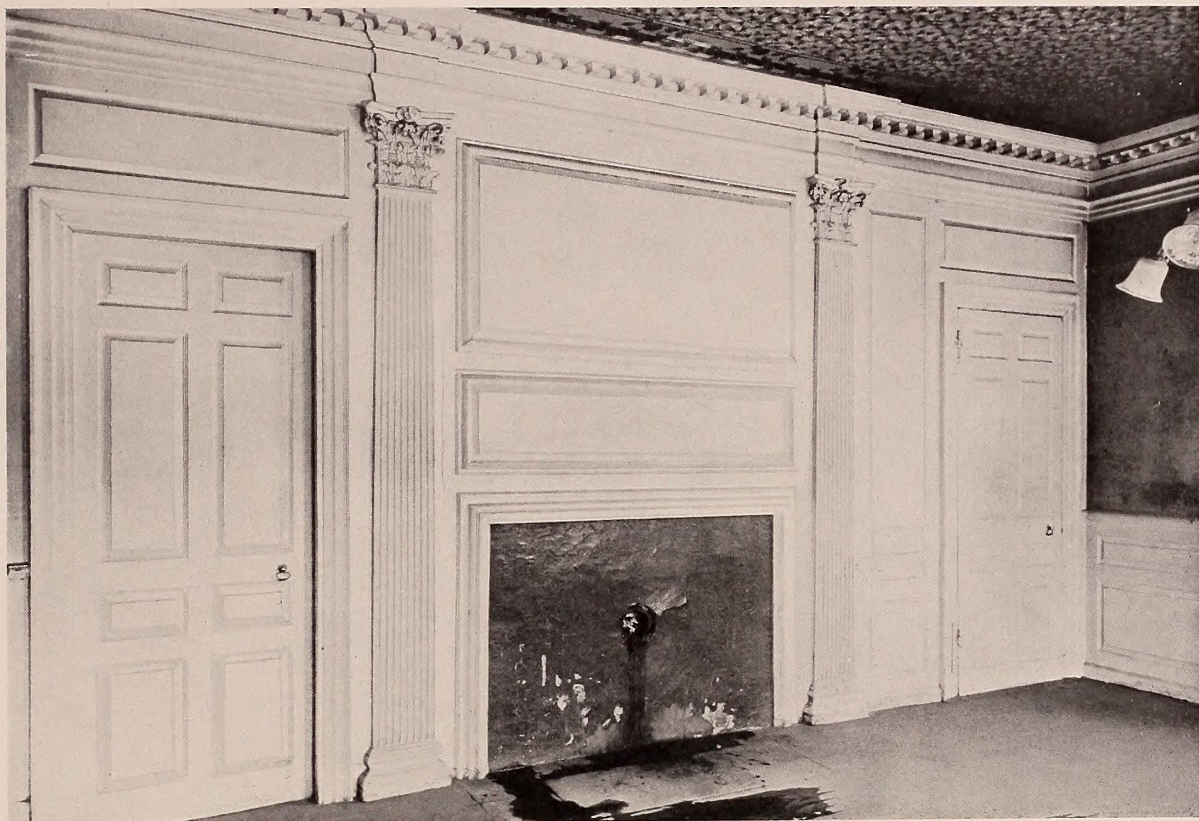
BARTON HOUSE, SALEM. ABOUT 1750



Date, 1768

HALL PAPER AND BALUSTRADE
JEREMIAH LEE MANSION, MARBLEHEAD, MASS.

EXAMPLES OF DOMESTIC COLONIAL ARCHITECTURE OF SALEM AND VICINITY



Date, 1768

LEE MANSION BANK BUILDING. ROOM FIRST FLOOR
RIGHT OF ENTRANCE



Date, 1618

MARBONNE HOUSE, 71 ESSEX STREET, SALEM, MASS.

EXAMPLES OF DOMESTIC COLONIAL ARCHITECTURE OF SALEM AND VICINITY



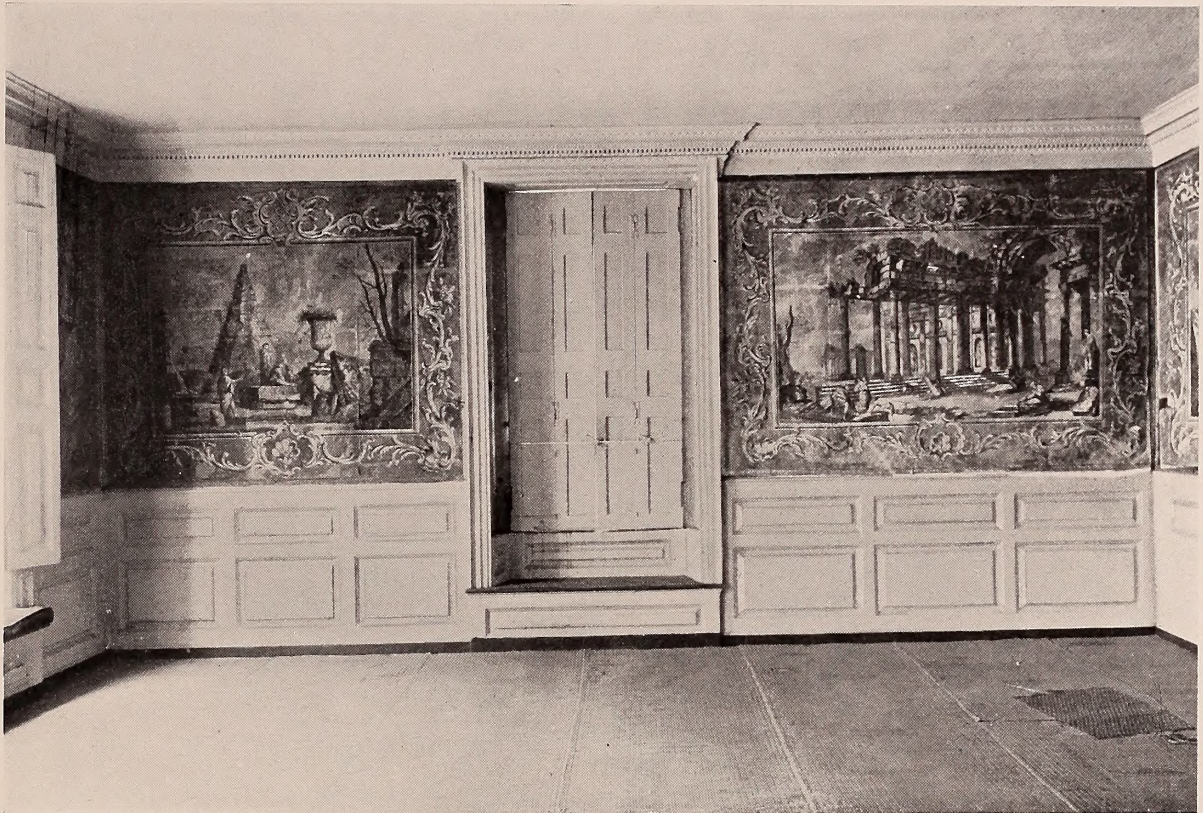
Before 1800

DOORWAY AND WALL PAPER. 94 BOSTON STREET



MANTEL AND WALL PAPER. 94 BOSTON STREET.

EXAMPLES OF DOMESTIC COLONIAL ARCHITECTURE OF SALEM AND VICINITY



Date, 1768

JEREMIAH LEE MANSION, MARBLEHEAD, MASS.
CHAMBER LEFT OF ENTRANCE
ENGLISH PAPER, 11 REGENT STREET, LONDON



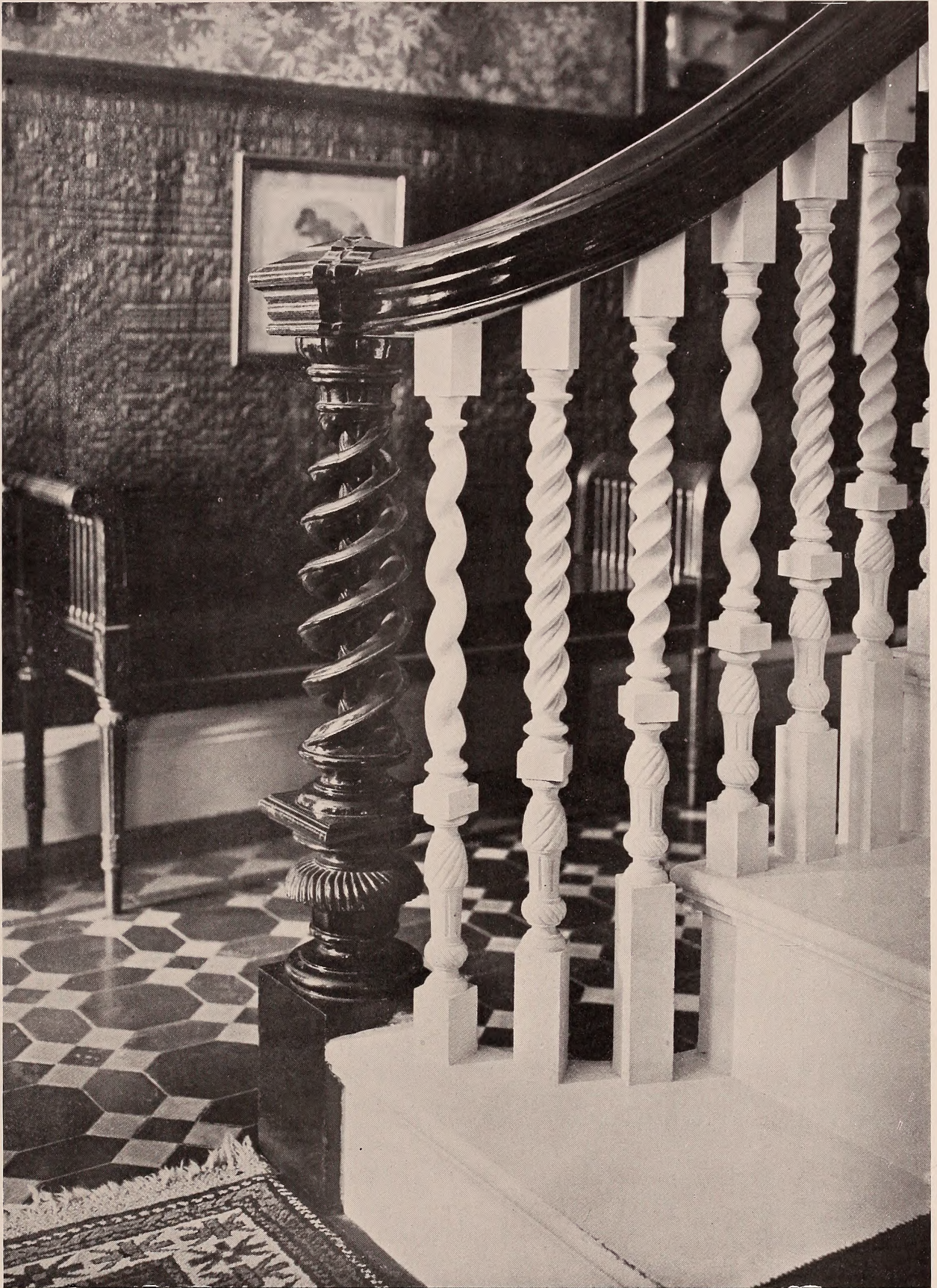
Date before 1800

SIDE OF ROOM, WINDOW, WALL PAPER

911 BOSTON STREET



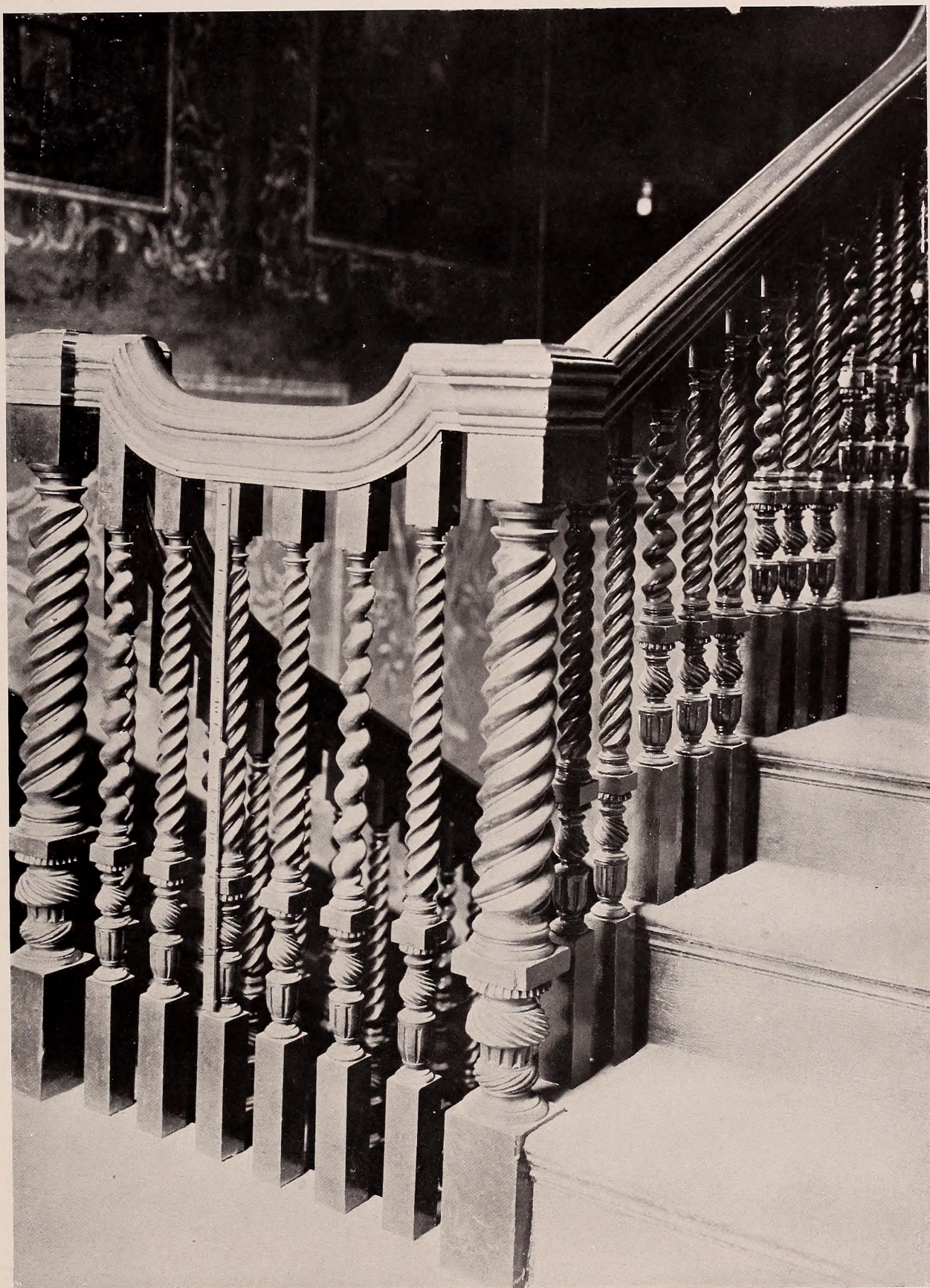
NEWEL POST
ALLEN HOUSE, 125 DERBY STREET, SALEM, MASS.



Date, 1800

McIntire, Architect

FRONT HALL NEWEL
"OAK HILL," MR. J. C. ROGERS' HOUSE, PEABODY, MASS.



Date, 1768

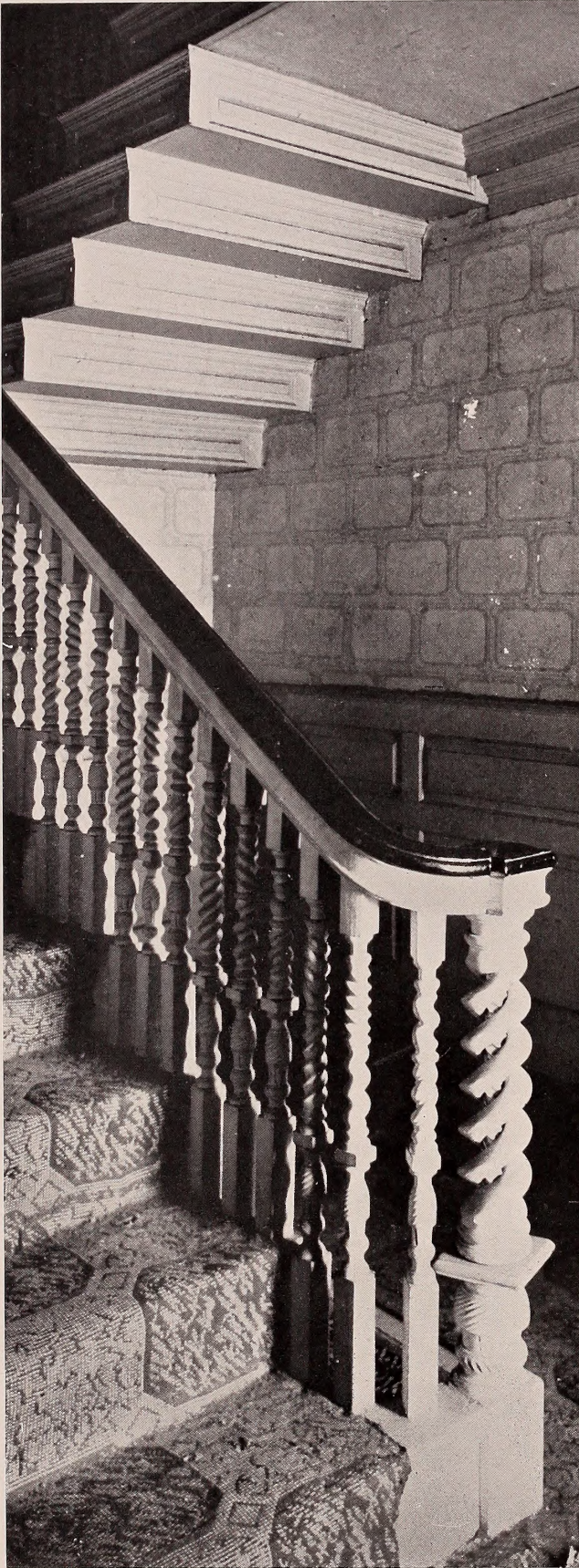
HAND CARVED NEWEL AND BALUSTRADE
LEE MANSION, MARBLEHEAD, MASS.



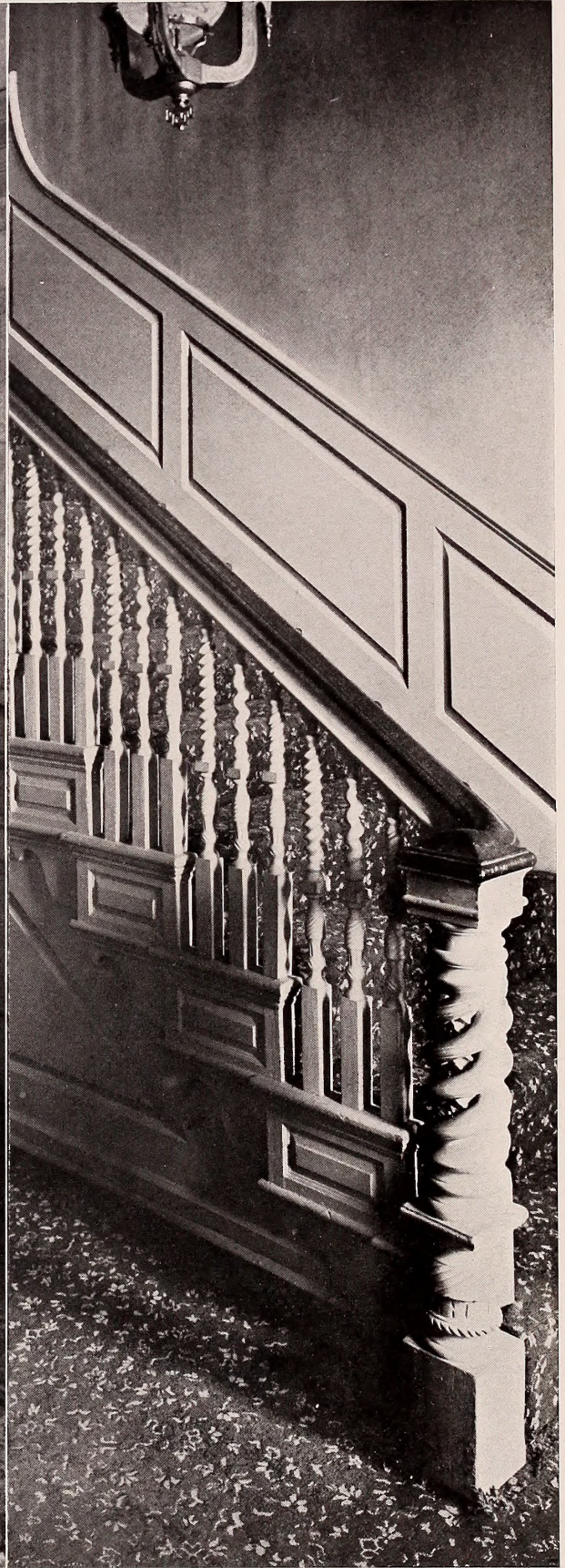
Date, 1745

HALL, NEWEL IN DETAIL
"THE LINDENS," FRANCIS PEABODY, DANVERS, MASS.

EXAMPLES OF DOMESTIC COLONIAL ARCHITECTURE OF SALEM AND VICINITY



NORMAN STREET, SALEM, MASS.
BEFORE 1760



JOHN DERBY MANSION, SALEM, MASS.
1767



Date, 1761

NEWEL POST
HALL OF THE HARRINGTON HOUSE, MONROE STREET, SALEM, MASS.

EXAMPLES OF DOMESTIC COLONIAL ARCHITECTURE OF SALEM AND VICINITY



Photograph by Frank Cousins Art Co.

DERBY-CROWNINSHIELD-ROGERS MANSION, SALEM, MASS.
McIntire, Architect, 1800

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EXAMPLES OF DOMESTIC COLONIAL ARCHITECTURE OF SALEM AND VICINITY



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PICKMAN STREET, SALEM, MASS. CAST IRON FIRE BACK. 1668
McIntire, 1800.

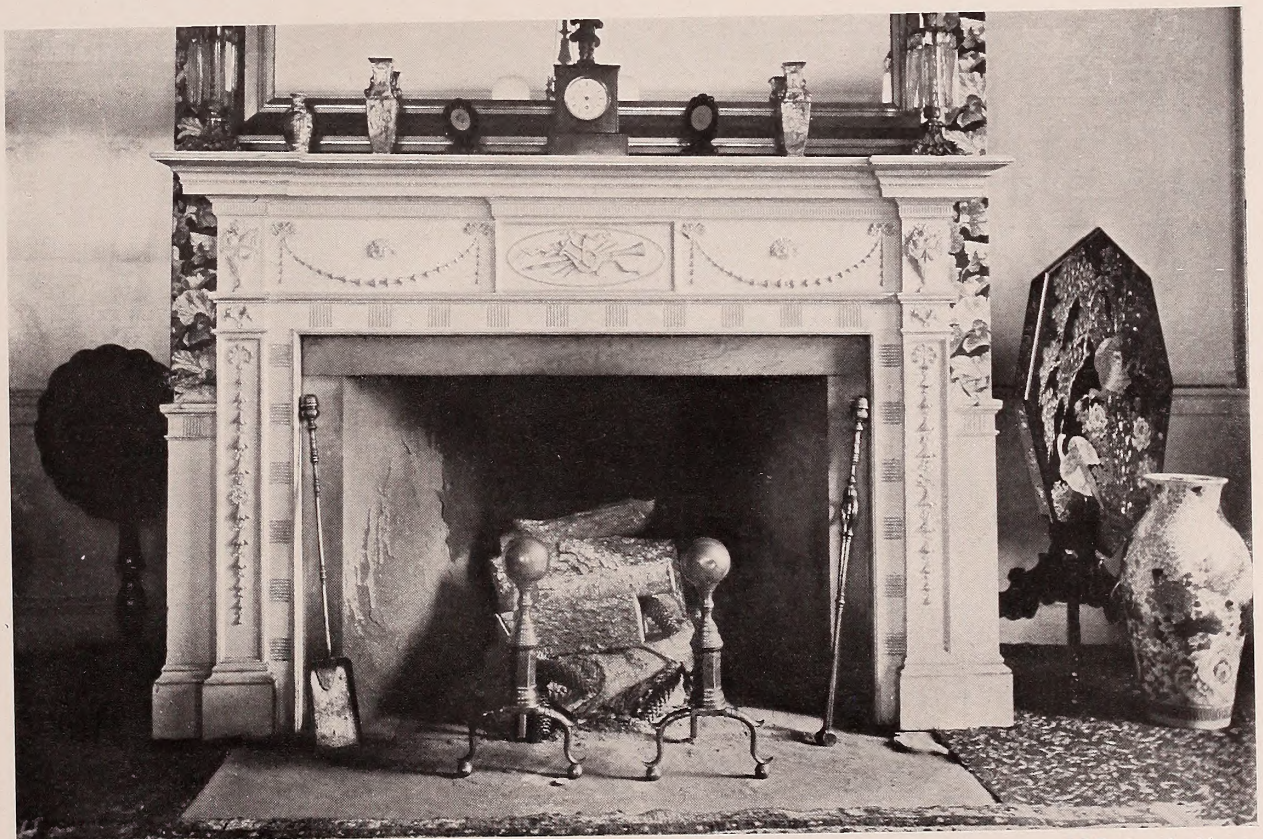
EXAMPLES OF DOMESTIC COLONIAL ARCHITECTURE OF SALEM AND VICINITY



Date, 1800

FRONT OF PARLOR MANTEL IN DETAIL, 12 ELM STREET

McIntire, Architect

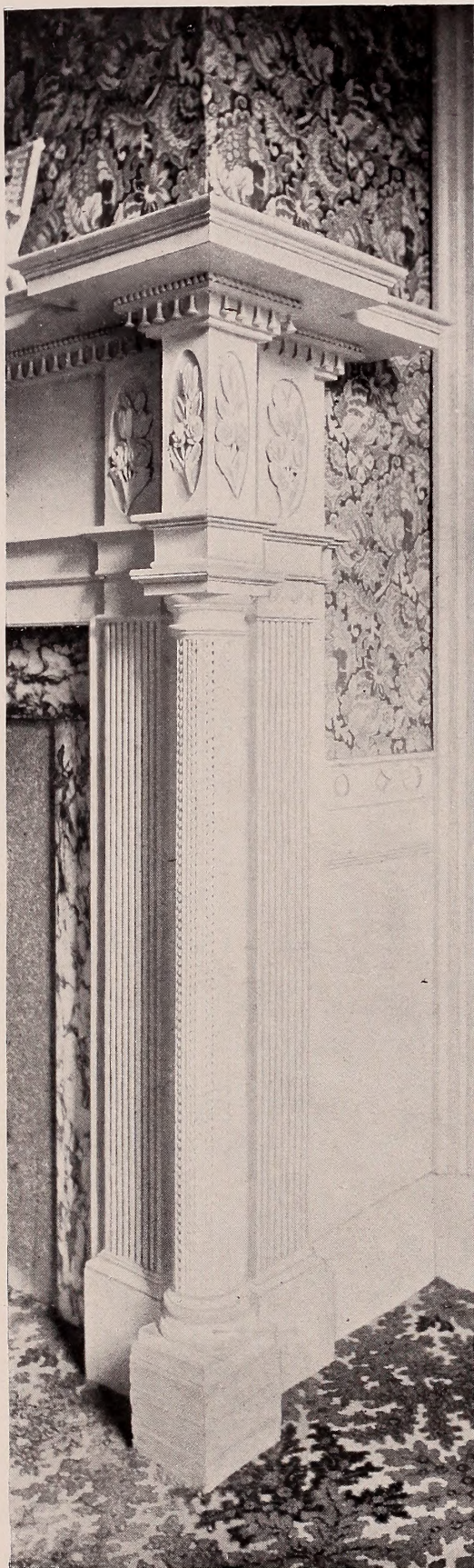


Date, 1805

MANTEL IN PARLOR. CROWNINSHIELD-DEVEREAUX HOUSE
72 WASHINGTON SQUARE, SALEM, MASS.

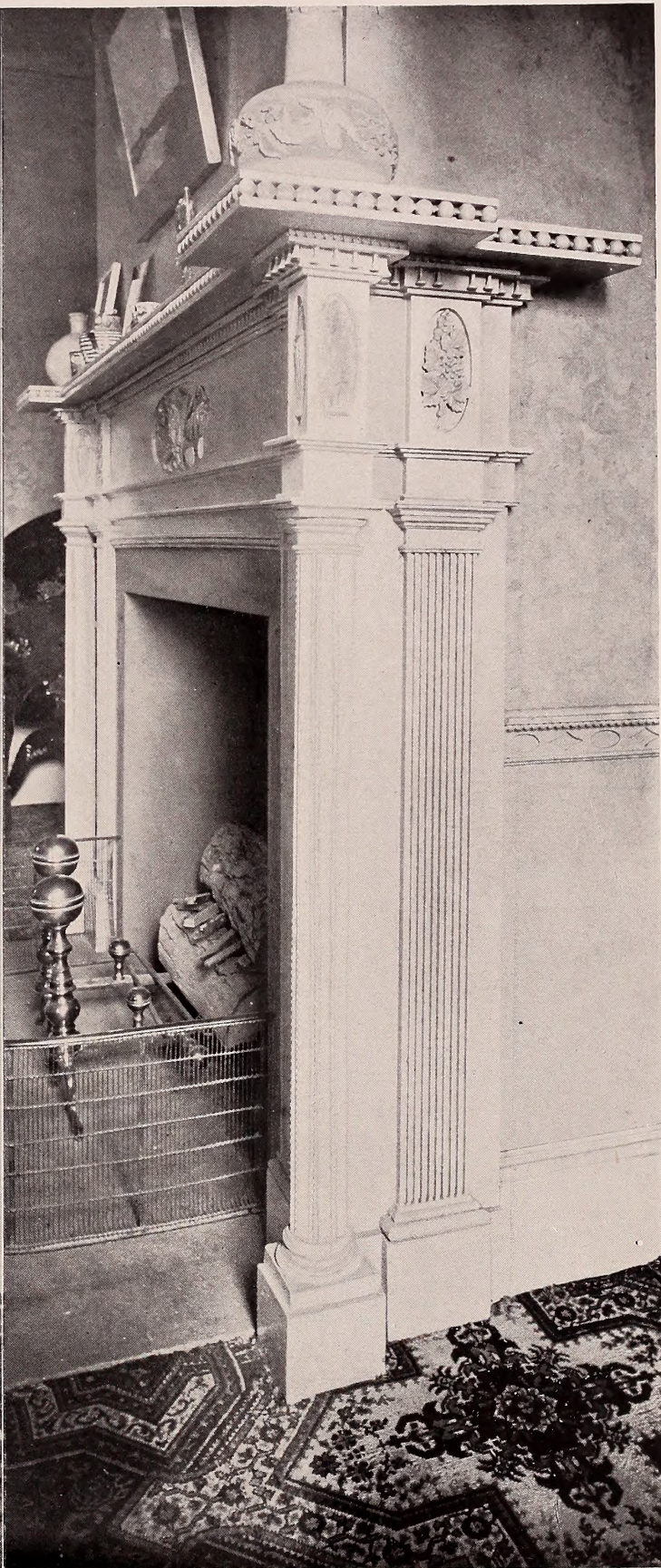
McIntire, Architect

EXAMPLES OF DOMESTIC COLONIAL ARCHITECTURE OF SALEM AND VICINITY



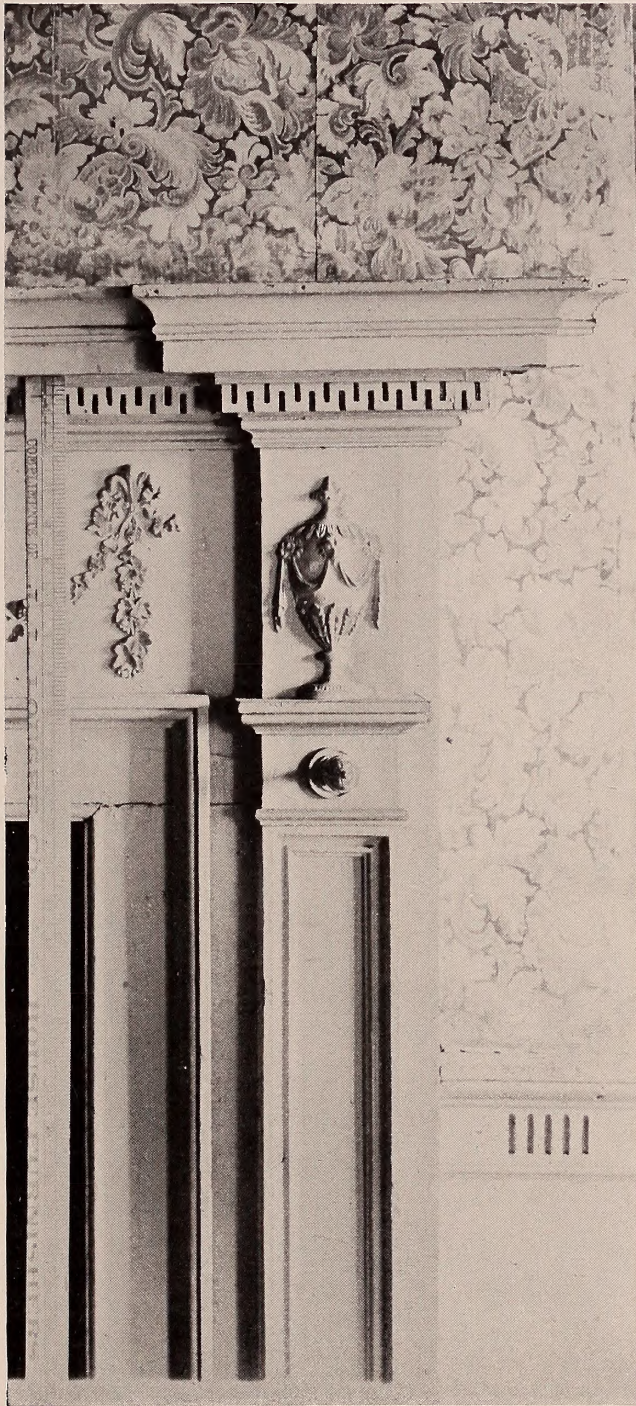
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ELM STREET, SALEM, MASS.
McIntire, 1800



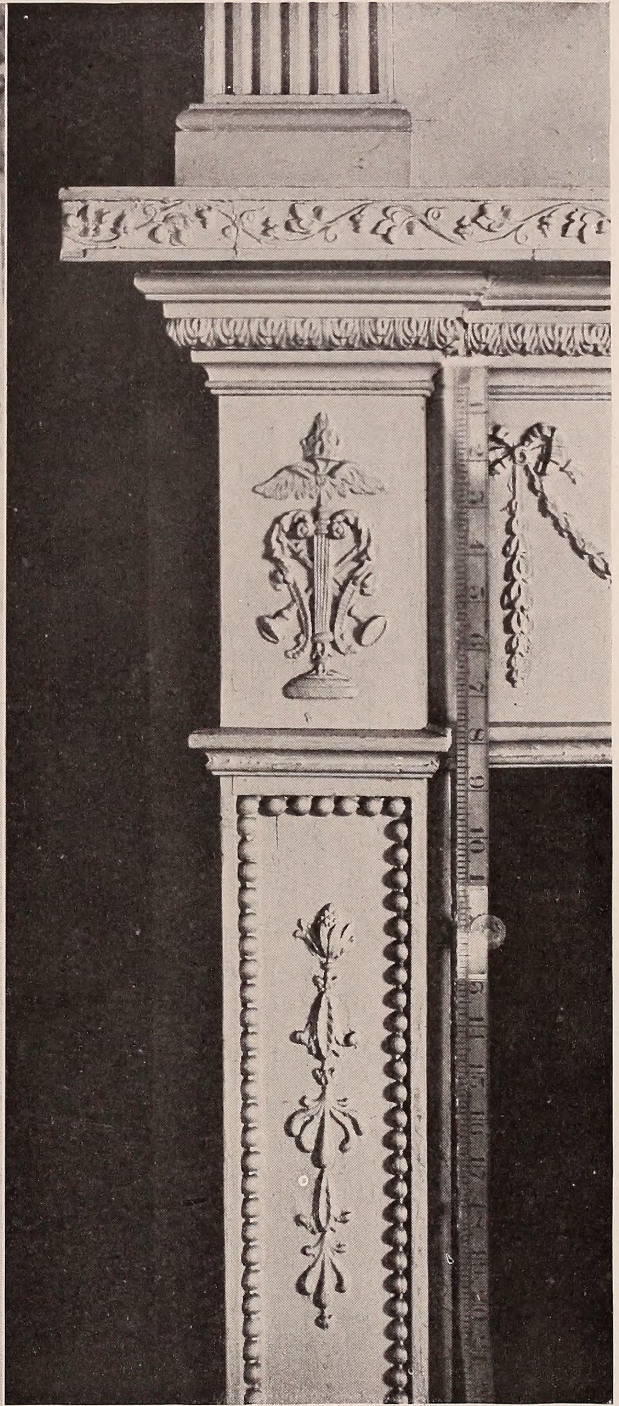
PICKMAN STREET, SALEM, MASS.
McIntire, 1800

EXAMPLES OF DOMESTIC COLONIAL ARCHITECTURE OF SALEM AND VICINITY



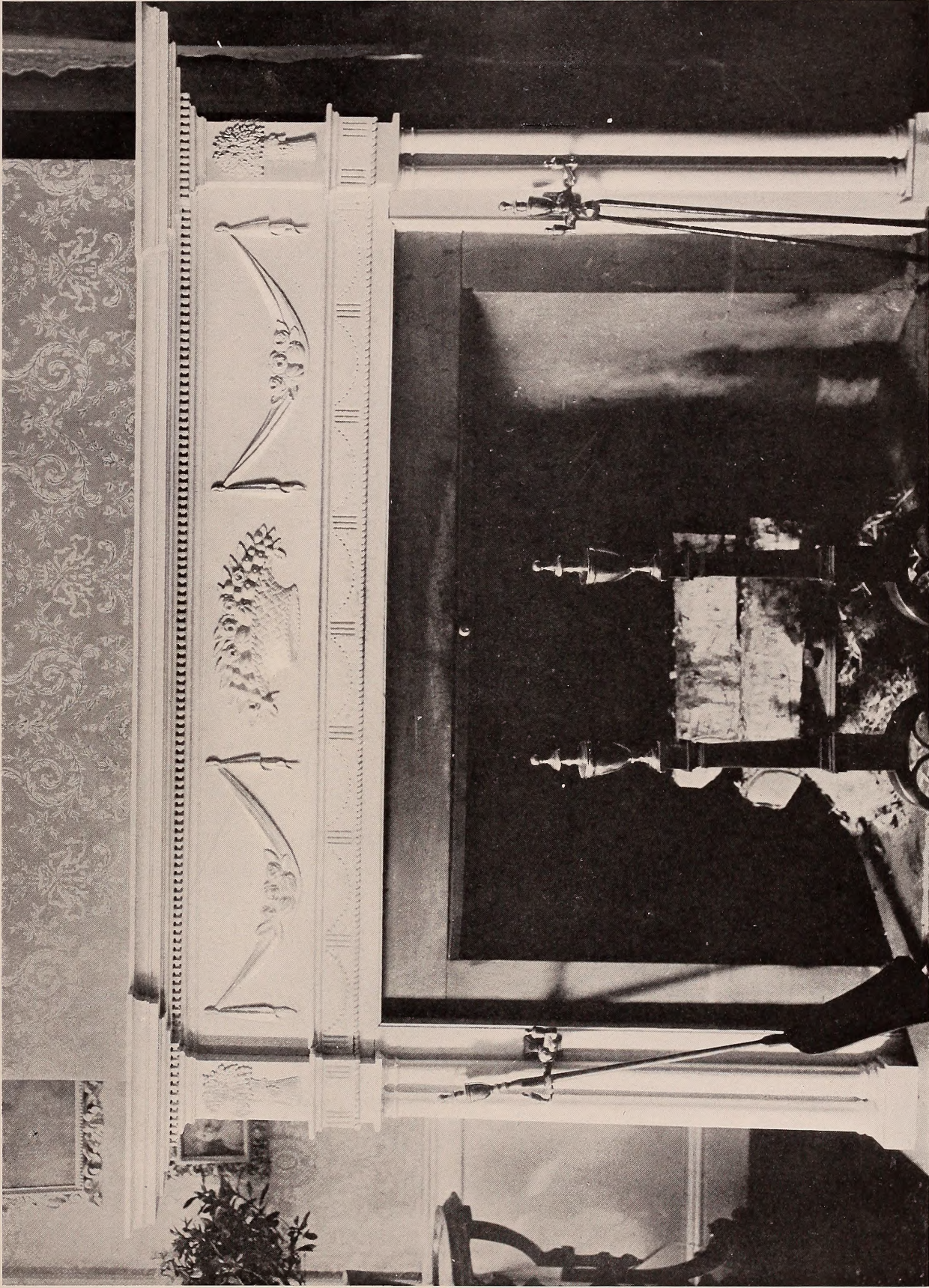
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DERBY-CROWNINSHIELD-ROGERS MANSION
SALEM, MASS.
McIntire, Architect, 1800



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LINDALL, BARNARD-ANDREW HOUSE
SALEM, MASS.
Applied Work — Before 1760.

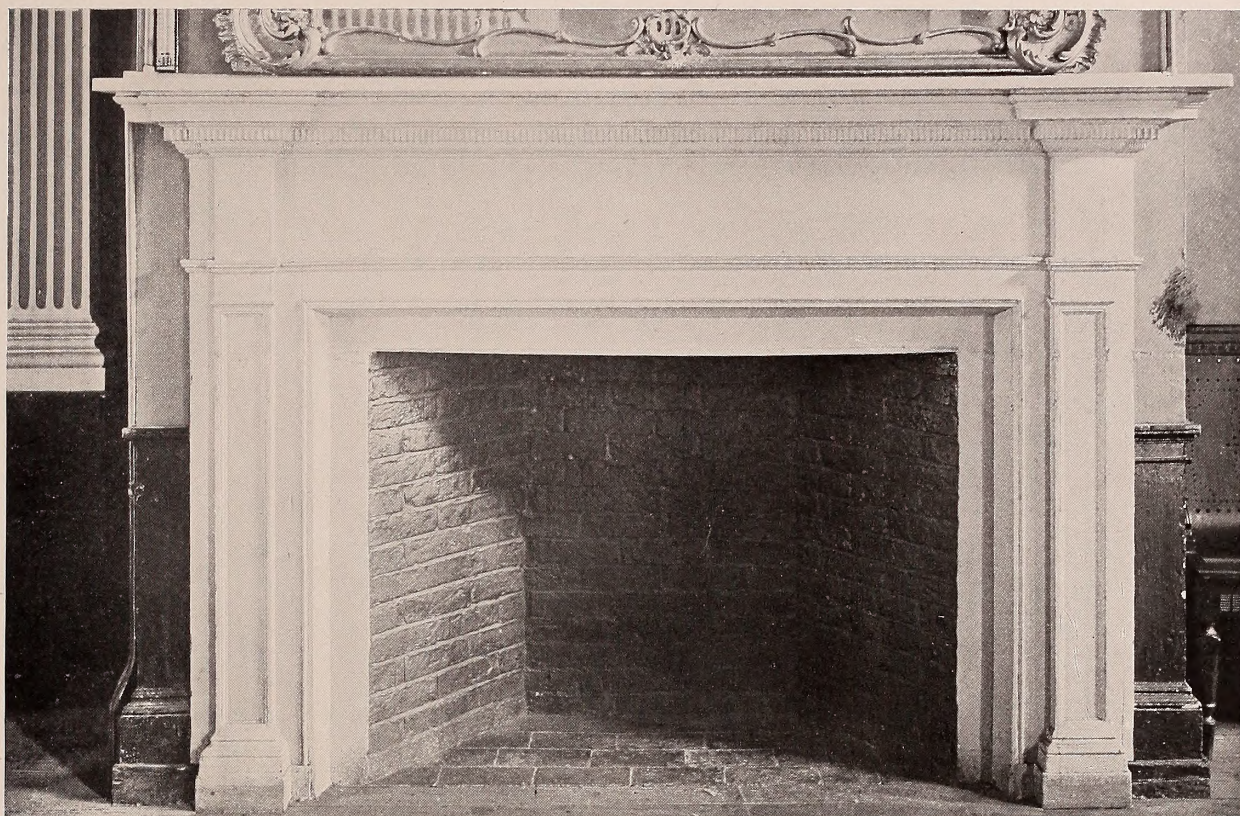


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LINDALL-BARNARD-ANDREW HOUSE, SALEM, MASS.
ALL WOOD HAND CARVED. BEFORE 1800.

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EXAMPLES OF DOMESTIC COLONIAL ARCHITECTURE OF SALEM AND VICINITY

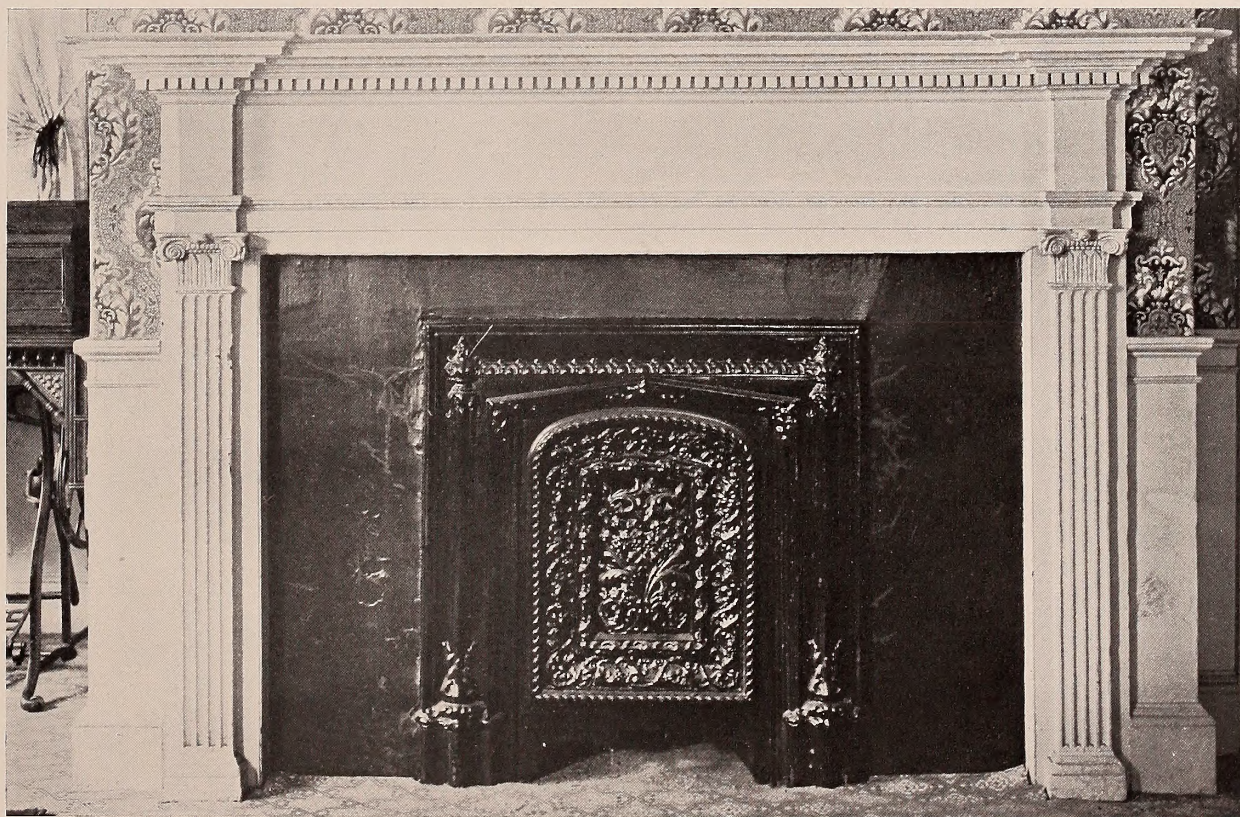


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HAMILTON HALL, SALEM, MASS.

McIntire, Architect, 1808

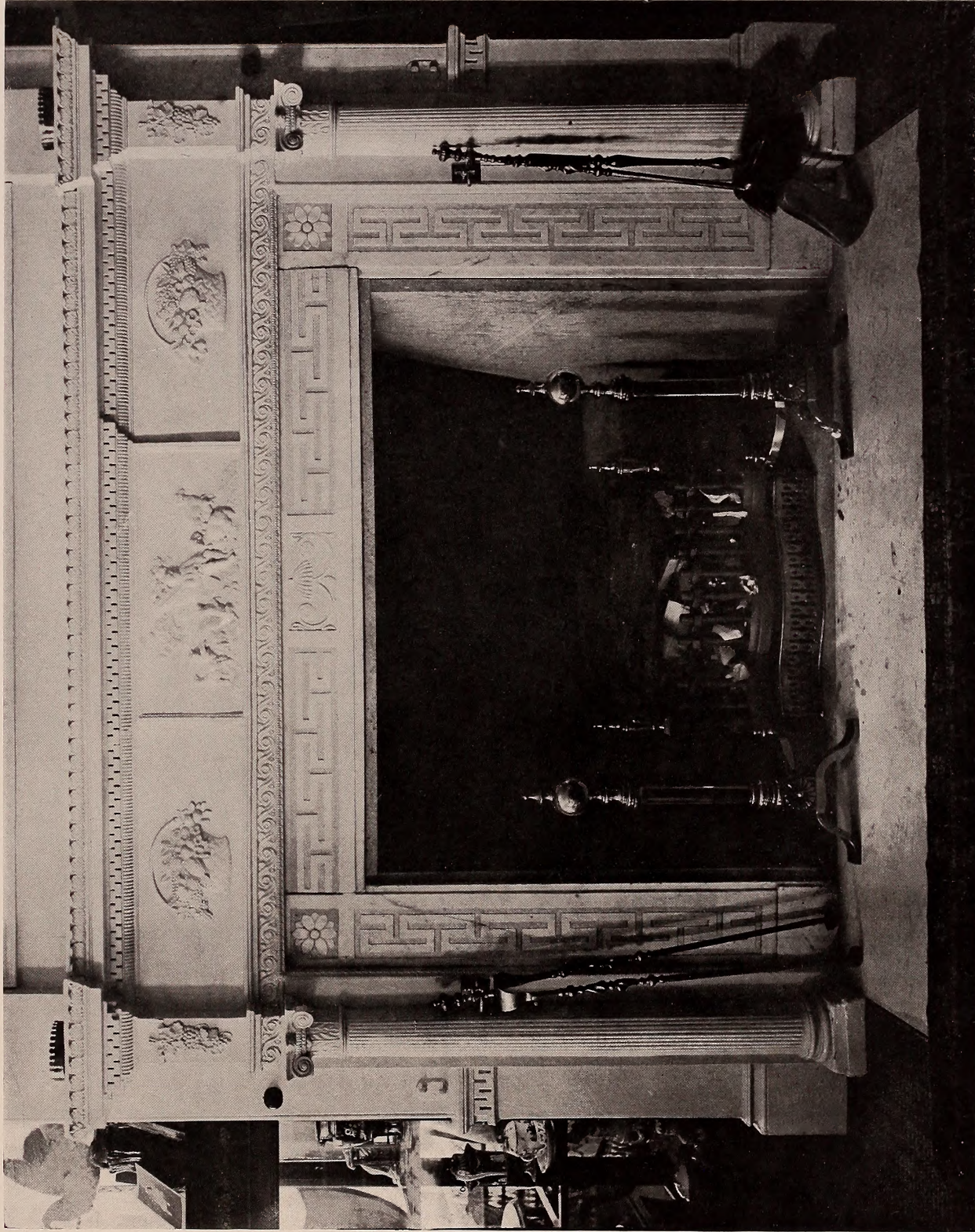


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SAMUEL McINTIRE'S HOME, SALEM, MASS.

ERECTED BEFORE 1780

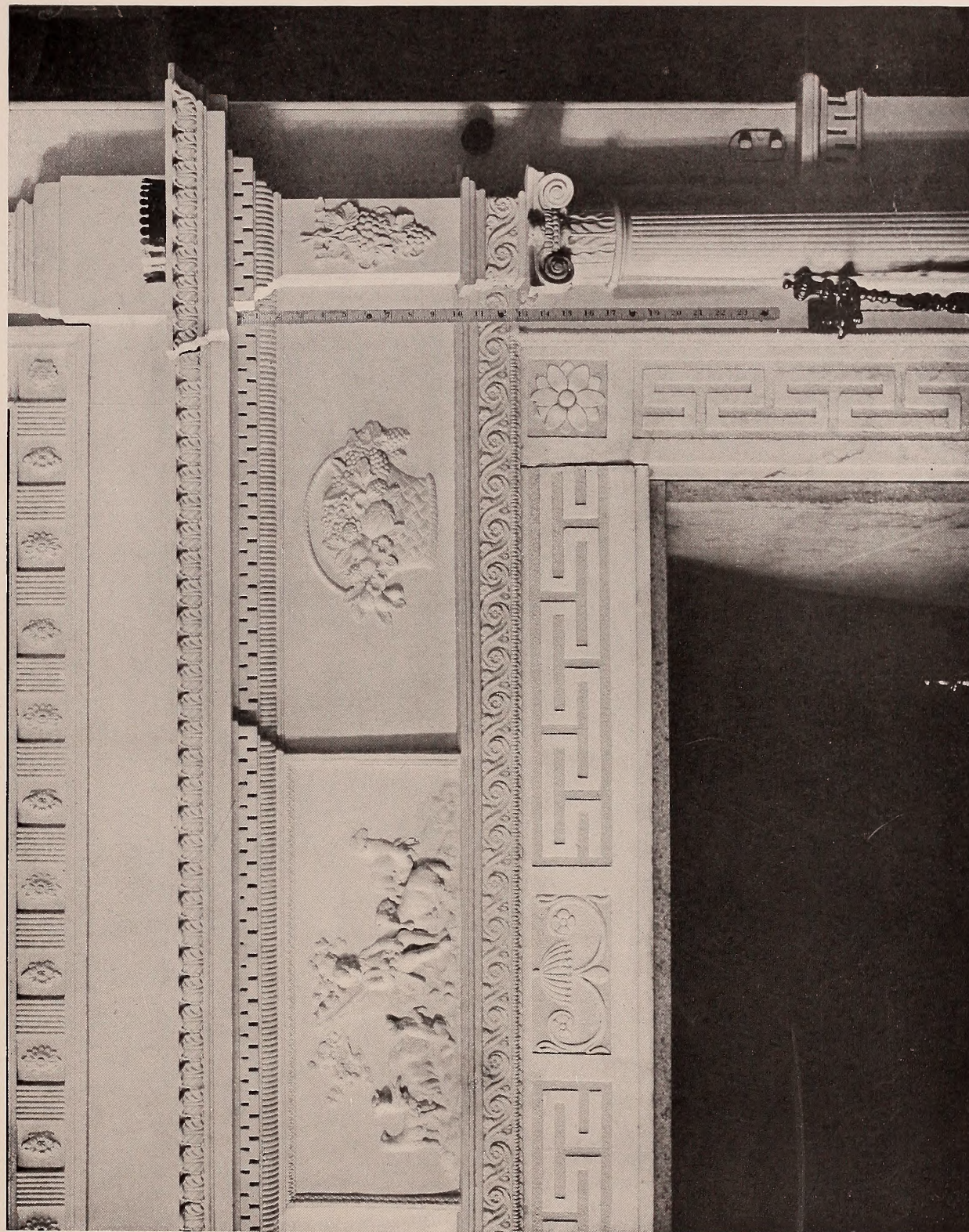


Date, 1800

MANTEL

"OAK HILL," MRS. J. C. ROGERS, PEABODY, MASS.

McIntire, Architect

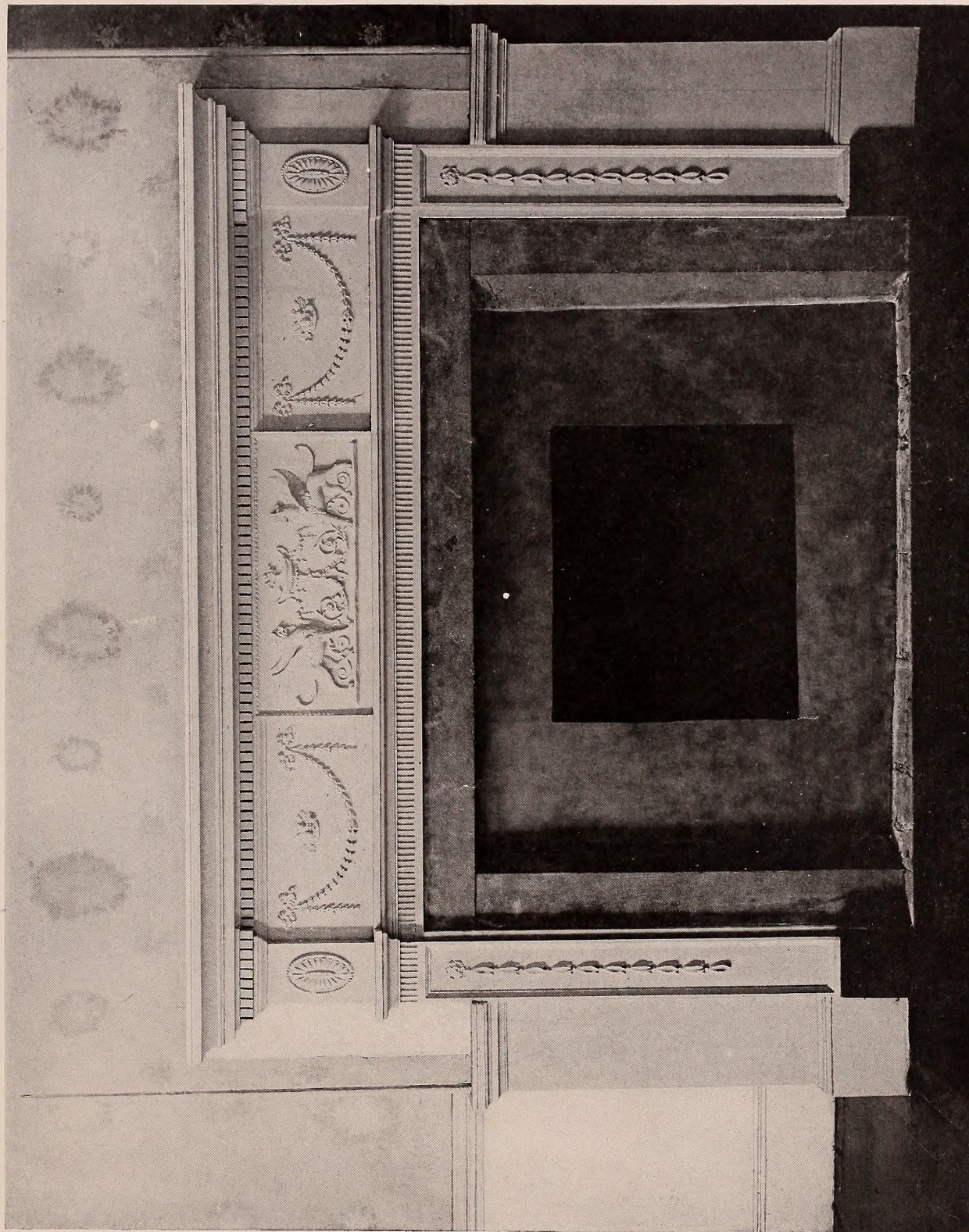


Date, 1800

QUARTER SECTION OF MANTEL
"OAK HILL," MRS. J. C. ROGERS' ESTATE, PEABODY, MASS.

McIntire, Architect

EXAMPLES OF DOMESTIC COLONIAL ARCHITECTURE OF SALEM AND VICINITY

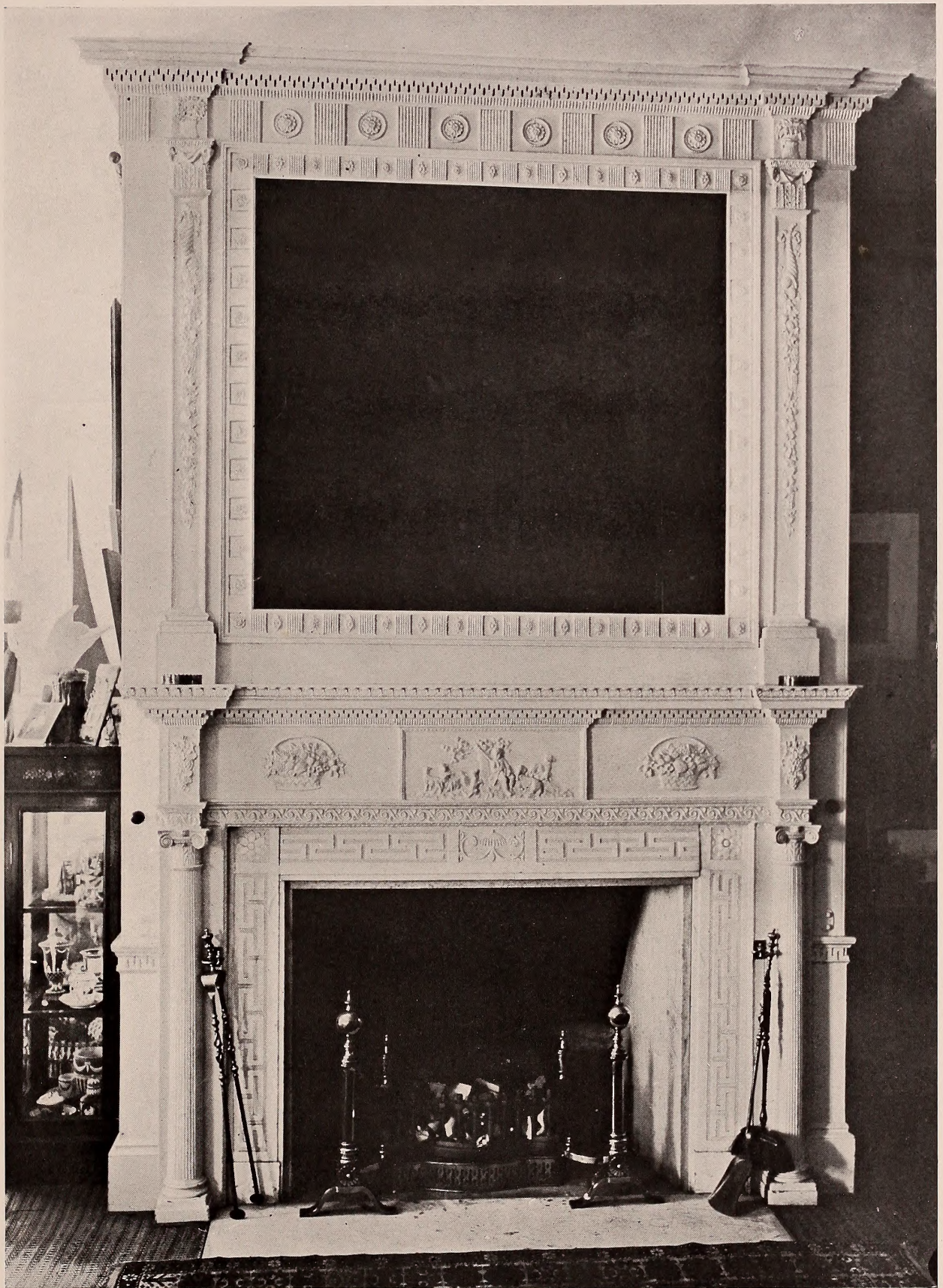


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GOV. GORE MANSION, WALTHAM, MASS. 1799

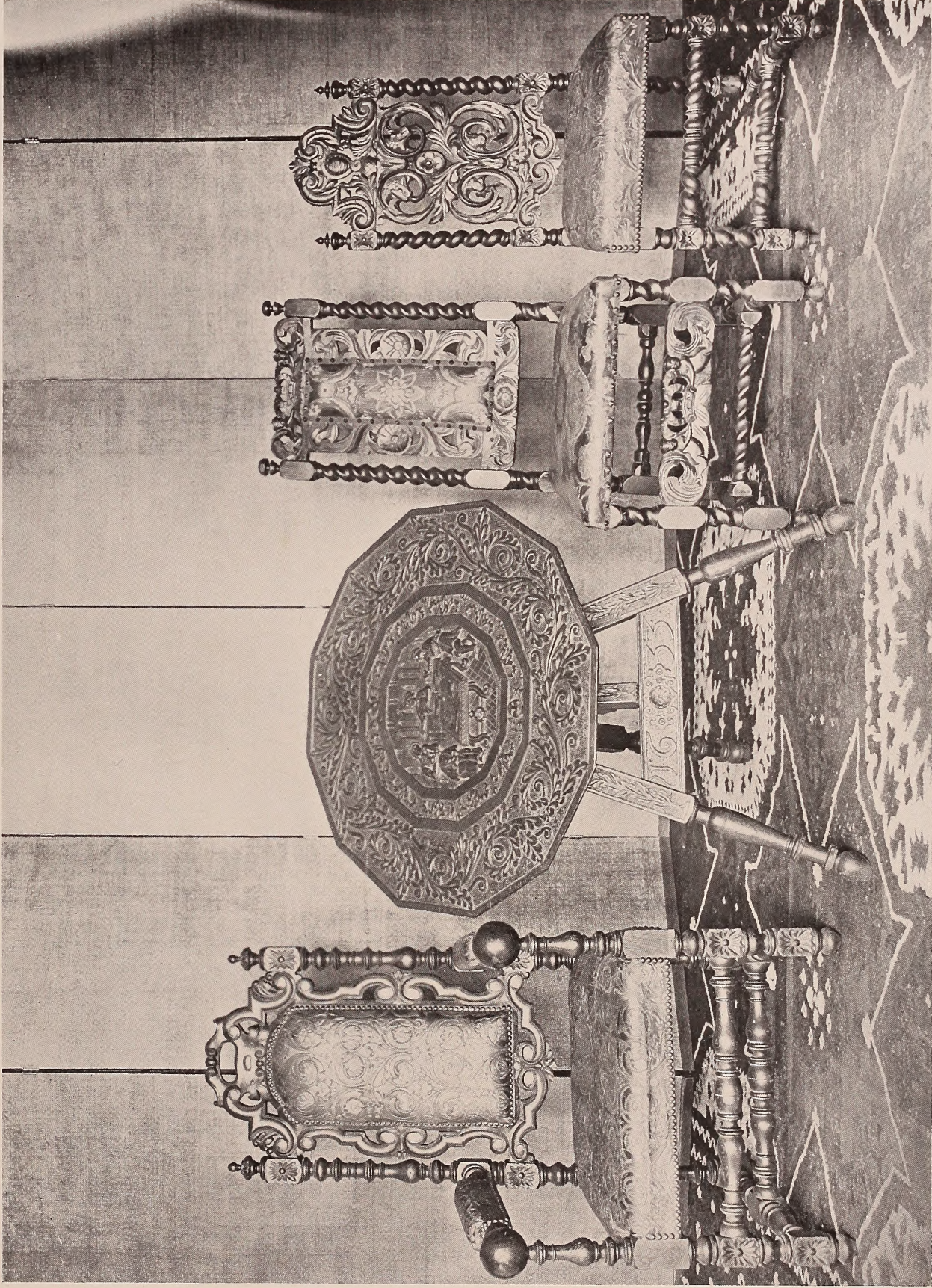
EXAMPLES OF DOMESTIC COLONIAL ARCHITECTURE OF SALEM AND VICINITY



Photograph by Frank Cousens Art Co.

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"OAK HILL," PEABODY, MASS.
McIntire, Architect, 1800



CHAIRS AND TABLE. "THE LINDENS," FRANCIS PEABODY MANSION, DANVERS, MASS.

INDEX OF ADVERTISERS

ARCHITECTURAL IRON AND METAL WORKERS

	PAGE
Gorham Co.....	235
Jackson Company, Wm. H.....	184
N. E. Bolt and Steel Co.....	238
Smith Iron Company, G. W. & F.....	204

ARCHITECTURAL WOOD WORKERS

Davenport Company, A. H.....	224
Davenport-Brown Company	213
Irving & Casson.....	200-201
Ross & Company, William F.....	232

ARTIFICIAL STONE

Murtfeldt Company, W. A.....	196
Simpson Bros. Corporation.....	222-223

ARTISTS' MATERIALS AND DRAUGHTING SUPPLIES

Frost & Adams Company.....	206
Makepiece, B. L.....	212
Spaulding Print Paper Company.....	265
Wadsworth-Howland Company, Inc..	198

ASBESTOS AND ASBESTOS SHINGLES

Johns-Manville Company, H. W.....	199
-----------------------------------	-----

ASPHALT WORK

Murtfeldt Company, W. A.....	196
Simpson Bros. Corporation.....	222-223

BLUE PRINTING

Makepeace, B. L.....	212
Spaulding Print Paper Company.....	265

BOILERS AND HEATERS

Gurney Heater Co.....	204
Moriarty, G. J.....	176
Smith Company, The H. B.....	252

BRASS TUBING

American Tube Works.....	224
--------------------------	-----

BRICK MANUFACTURERS AND DEALERS

	PAGE
Bradford Pressed Brick Company....	179
Fiske & Company, Inc.....	214-215-216-217
Hahn, John W.....	208
Kendall Co., Geo.....	231
Kittanning Brick and Fire Clay Com- pany.....	169
Kushequa Brick Company.....	177
Sayre & Fisher Company.....	191
Waldo Brothers	169-177-179-191

CARPETS AND RUGS

Torrey, Bright & Capen Company...	186
-----------------------------------	-----

CEMENTS

Atlas Portland Cement Company....	175
Consolidated Rosendale Cement Com- pany.....	185
Non-Staining Cement Company.....	171
Sandusky Portland Cement Company	159
Waldo Brothers.....	159-171-175-185

COLUMNS

U. S. Column Company.....	170
---------------------------	-----

CONCRETE CONSTRUCTION

Aberthaw Construction Company....	166
Concrete Eng. Co.....	194
Murtfeldt Company, W. A.....	196
Simpson Bros. Corporation.....	222-223

CONTRACTORS AND BUILDERS

Aberthaw Construction Company....	166
Bigelow & Harriman.....	218-219
Bishop Company, J. W.....	192
Bogart & Son, I. H.....	160
Burnham Bros.....	232
Burns, David F.....	228
Dodge Company, C. A.....	168
Gibson, Richard.....	236

I N D E X O F A D V E R T I S E R S

CONTRACTORS AND BUILDERS—Continued

	PAGE
Hersey, Ira G.....	164
Hooper-Waters Company.....	233
Hurley & Lambert.....	150
Macomber Co., Geo. B. H.....	236
Mitchell & Sutherland.....	172
Norcross Brothers Co.....	254-255
Powers, J. J.....	238
Wells Brothers Company.....	229
Whitney, Arthur, Co.....	190
Willcutt & Sons Company, L. D.....	212
Woodbury & Leighton Company.....	178

COOKING APPARATUS AND APPLIANCES

Boston Consolidated Gas Company	145-146-147-148
Duparquet, Huot & Moneuse Co.....	230
Magee Furnace Company.....	261

DECORATORS

Davenport Company, A. H.....	224
Haberstroh & Son, L.....	193
Irving & Casson.....	200-201
Mortensen, Sofus L.....	250
Paine Furniture Co.....	234
Pennell, Gibbs & Quiring Co.....	194
Wingate & Son, James I.....	207

DOORS AND MILL WORK

Hastings & Co., A. W.....	182
---------------------------	-----

DOOR HANGERS

Lane Brothers Company.....	212
----------------------------	-----

ELECTRICAL CONTRACTORS

Foster Electric Company, M. B.....	266
------------------------------------	-----

ELEVATORS

Fowler & Co., H. H.....	228
Otis Elevator Company.....	154
See Electric Elevator Company, The A. B.....	174

FILTERS

	PAGE
Loomis-Manning Filter Company.....	205

FIREPROOFING AND FIREPROOF CONSTRUCTION & MATERIALS

Johns-Manville Company, H. W.....	199
National Fireproofing Company.....	227
Roebbling Construction Company of Mass.....	190

FIRE BRICK, FIRE CLAY, TILES AND SPECIALTIES

Gautier & Co., J. H.....	187
Waldo Brothers.....	187

FURNACES, RANGES AND HEATERS

Duparquet, Hout & Moneuse Co.....	230
Magee Furnace Company.....	261

GAS

Boston Consolidated Gas Company	145-146-147-148-149
---------------------------------	---------------------

GLASS, DECORATIVE, LEADED, AND STAINED

Goodhue Company, The Harry Eldredge.....	195
Heinigke & Bowen.....	194

GLASS, PLATE, WINDOW, ETC.

Boston Plate & Window Glass Com- pany.....	251
Penna Wire Glass Co.....	210
Pittsburgh Plate Glass Company.....	239
Standard Plate Glass Company.....	210-211

GREENHOUSES

Hitchings & Company.....	225-226
Lord & Burnham Co.....	209
Pierson U-Bar Company.....	202

HARDWARE

Chandler & Barber.....	180
Hunter & Company, J. B.....	250
Stanley Works, The.....	162

I N D E X O F A D V E R T I S E R S

HEATING ENGINEERS AND CONTRACTORS

Warren, Webster Company.....	PAGE 166
------------------------------	-------------

HINGES

Stanley Works, The.....	162
-------------------------	-----

INSTANTANEOUS WATER HEATERS

Boston Consolidated Gas Company	
145-146-147-148-149	

LIGHTING FIXTURES, GAS AND ELECTRIC

Bigelow, Kennard & Company.....	151
Boston Consolidated Gas Company	
145-146-147-148-149	
McKenney & Waterbury Company...	264
Pettingell-Andrews Company, The...	267
Yardley Bronze Company.....	208

LIME

Bird, A. J.....	167
Rockland-Rockport Lime Company..	156
Waldo Brothers.....	167

LUMBER

Gale Lumber Co., G. W.....	150
----------------------------	-----

MARBLE AND STONE

Charles River Stone Company.....	254-255
Norcross-West Marble Company...	254-255
Southern Marble Company.....	254-255

MORTAR COLORS

French & Company, Samuel H.....	163
Waldo Brothers.....	163

PAINTERS

Beck, Edward C.....	168
MacDonald, J. Leo	198
Wingate & Son, James I.....	207

PAINTS AND VARNISHES

Berry Brothers, Limited.....	259
French & Company, Samuel H.....	163
National Lead Company.....	197

PAINTS AND VARNISHES—Continued

	PAGE
Pittsburgh Plate Glass Company.....	239
Standard Varnish Works.....	188
Wadsworth-Howland & Co., Inc.....	198
Waldo Brothers.....	163

PLASTERERS

Donovan & Company, D. F.....	220
Foley, William.....	249
Muir Brothers.....	228

PLUMBERS

Cornell Company, W. G.....	237
Pierce & Cox.....	253
Roberts & Browning.....	170

PLUMBING SUPPLIES AND SANITARY SPECIALTIES

American Tube Works.....	224
Dececo Company, The.....	176
Mott Iron Works, The J. L.....	188
Sanitas Manufacturing Company....	220

PRINTERS

Dodge Co., Geo. B.	265
-------------------------	-----

PRISMATIC AND SIDE-WALK LIGHTS

American Luxfer Prism Company, The	196
------------------------------------	-----

RADIATORS

Smith Company, The H. B.....	252
------------------------------	-----

ROOFERS AND ROOFING

Leavitt Sons Company, The W. P....	165
Murtfeldt Company, W. A.....	196
Waldo Brothers.....	165

ROOFING TILES, SLATES AND MATERIALS

Barrett Manufacturing Company	
241-242-243-244-245-246-247-248	
Huntington Roofing Tile Company...	161
Johns-Manville Company, H. W.....	199
Ludowice-Celadon Co.....	206
Waldo Brothers	161

I N D E X O F A D V E R T I S E R S

SAFES AND VAULTS

	PAGE
Mosler Safe Company.....	162

SAFETY TREAD

American Mason Safety Tread Co....	192
------------------------------------	-----

SASH CORD

Samson Cordage Works.....	240
Silver Lake Company.....	238

SEWER PIPE AND FLUE LININGS

Buckeye Sewer Pipe Company.....	183
The East Ohio Sewer Pipe Company..	173
Waldo Brothers	173-183

SHEET METAL WORK

Badger & Son Company, E. B.....	208
---------------------------------	-----

SHINGLES

Stearns Lumber Company, The A. T.	213
-----------------------------------	-----

SHINGLE STAINS

Cabot, Samuel, Inc.....	158
Dexter Brothers Company.....	152
Wadsworth-Howland & Co., Inc.....	198

SIMPLIFIED WATERPROOFING

Horn Company, A. C.....	189
Waldo Brothers.....	189

STEAM REGULATING TRAPS

Watson & McDaniel Company.....	240
--------------------------------	-----

STRUCTURAL STEEL AND IRON

Smith Company, G. W. & F.....	204
-------------------------------	-----

TABLETS AND BRONZE SHOW CASES

	PAGE
Buck & Company, C. H.....	260

TERRA COTTA

Atlantic Terra Cotta Company.....	203
Kendall Co., Geo.....	231
Waldo Brothers.....	155-157

TILES AND TILING

American Encaustic Tiling Co.....	221
Hahn, John W.....	208
Waldo Brothers.....	155-157

TRANSOM LIFTS

McCrum-Howell Company, The....	262-263
--------------------------------	---------

VACUUM CLEANING AND CLEANERS

McCrum-Howell Company, The....	262-263
Sanitary Dust Removing Co....	256-257-258

VALVES

Jenkins Brothers.....	240
Watson & McDaniel Company.....	240

WALL PLUGS AND TIES

Prescott & Son, J. B.....	181
Waldo Brothers.....	181

WATER AND DAMP PROOFING

Horn Company, A. C.....	189
Medusa Waterproofing.....	159
Sandusky Portland Cement Co.....	159
Waldo Brothers.....	159-189

WINDOW SCREENS

Invisible Roll Screen Co.....	178
-------------------------------	-----

GAS LIGHTING

A WORD ABOUT HYGIENICS



THE ARCHITECT, as professional advisor, is often called upon to overcome false impressions and to correct errors of judgment on the part of his clients.

One of such erroneous suppositions is the occasional objection raised to the use of gas, on the score of alleged "vitiation of the air", —an assumption made even now, although careful investigations conducted by numerous unbiased scientific authorities (among others the well-known Engineering Chemists, Arthur D. Little, Inc., of Boston,) have long since proved it fallacious.

The facts below are accordingly tabulated in convenient form for reference. The conclusions quoted were reached, after searching examination, by Dr. Samuel Rideal, F. I. C., of London, described first in the "Journal of the Royal Sanitary Institute," Vol. XXIX, No. 2. The tests compared substantially equal volumes of mantle gas light and incandescent electric light.

1. The amount of carbonic acid gas added to the air of the gas lighted room is so slight as to be entirely negligible.
2. That which is unhealthful in the air of a room is the animal matter given off in respiration of living beings.
3. Such animal matter is to a considerable extent incinerated by the gas flame.
4. Further, there is a positive germicidal action, aside from this incineration, in rooms where gas is used.
5. Under normal conditions the air currents caused by the burning gas induce fresh air, creating a natural and effective ventilation.

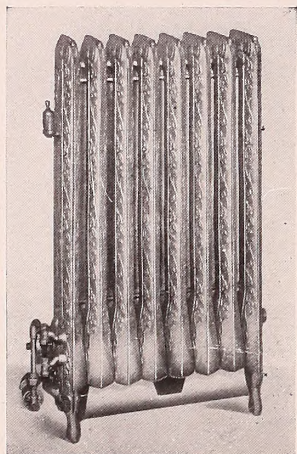
In hygienic value, therefore, as well as in efficiency, Gas stands in the front rank of modern illuminants.



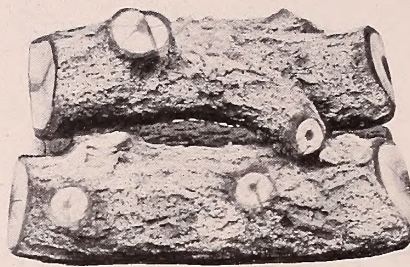
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THE GAS LOG

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The Backus fireplace, another form of heater, is suitable for house or office;—an open log fire, connected invisibly to water pipes which carry heat from the fire to the whole metal front of the fireplace. The combination of the direct heat from the flames, and of that from the radiant metal is most satisfactory.

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These and many others are connected in the show rooms of the Boston Gas Appliance Exchange, 16 West Street, Boston.

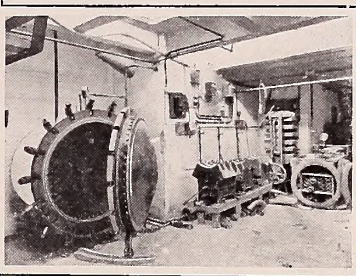
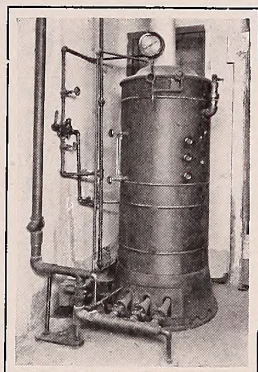


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A WORD ABOUT PIPING



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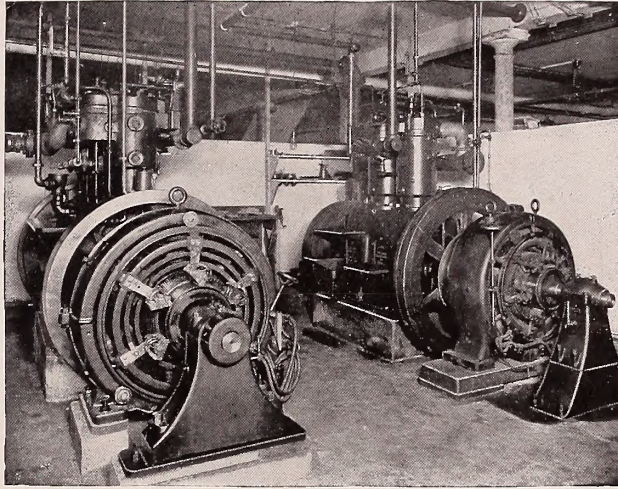
Piping installed after the completion of the building costs more, and may mar the effects;—build for the future and pipe in the first place.



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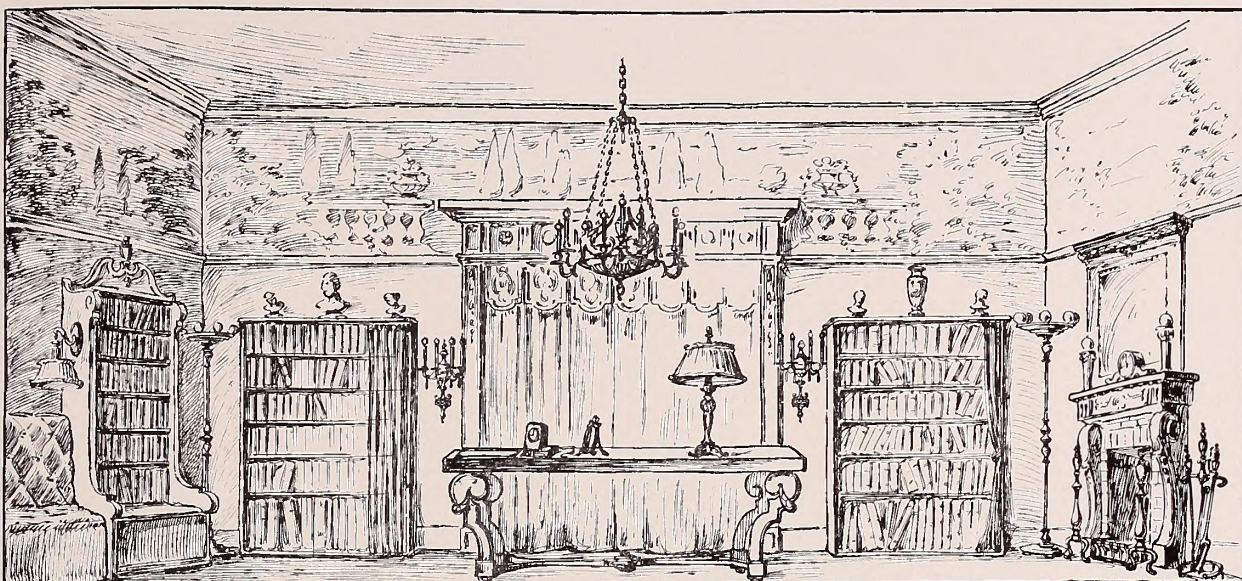
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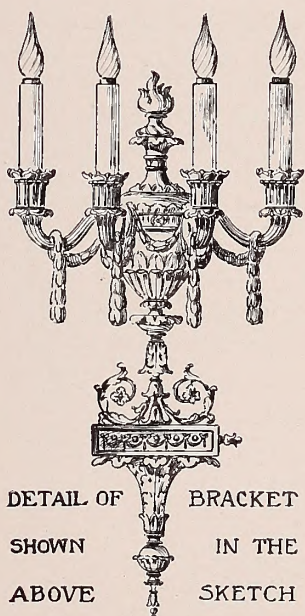
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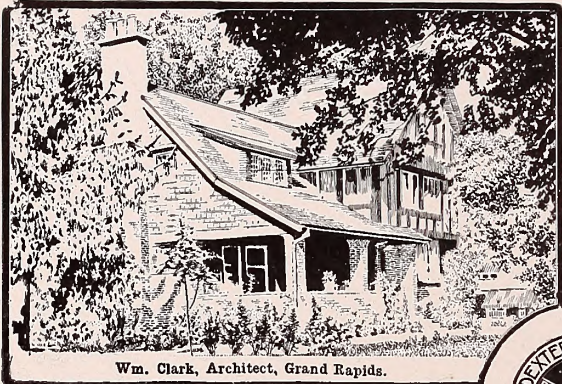
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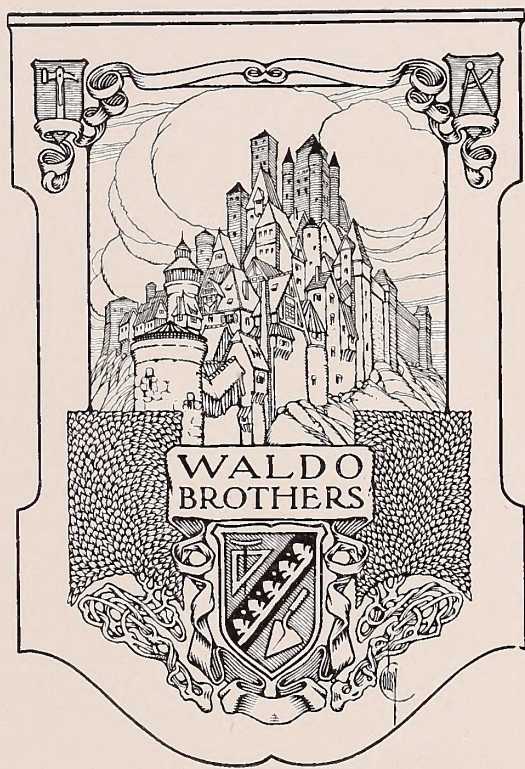
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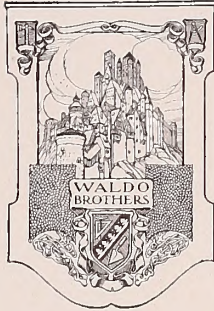
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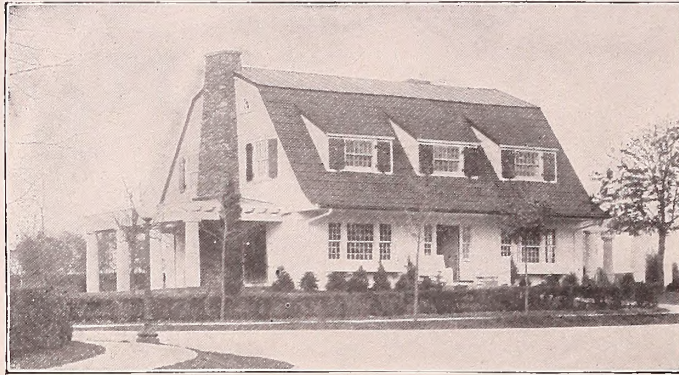
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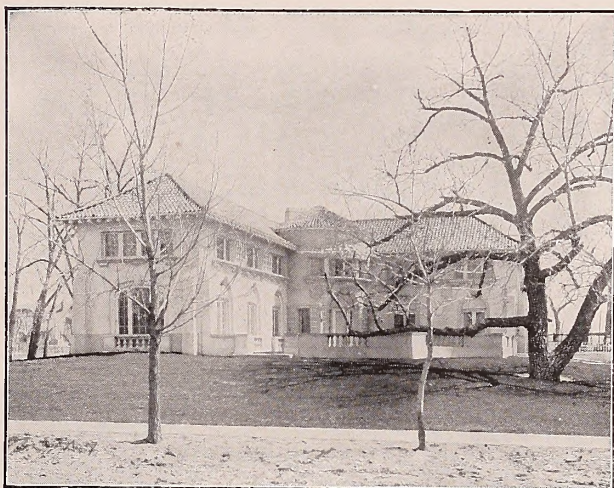


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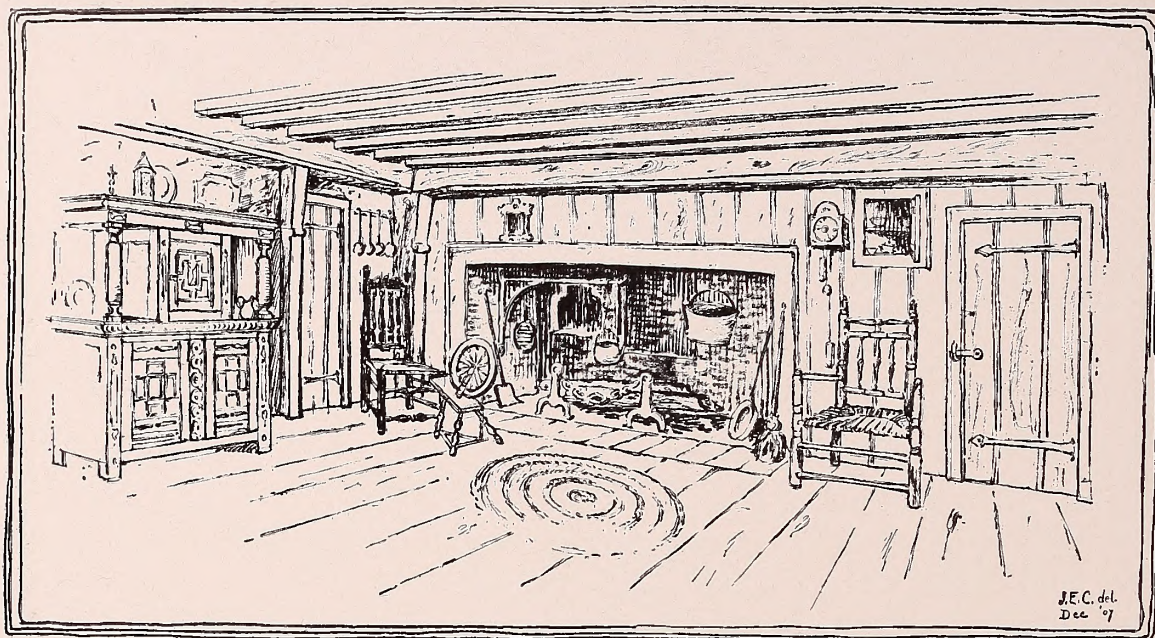
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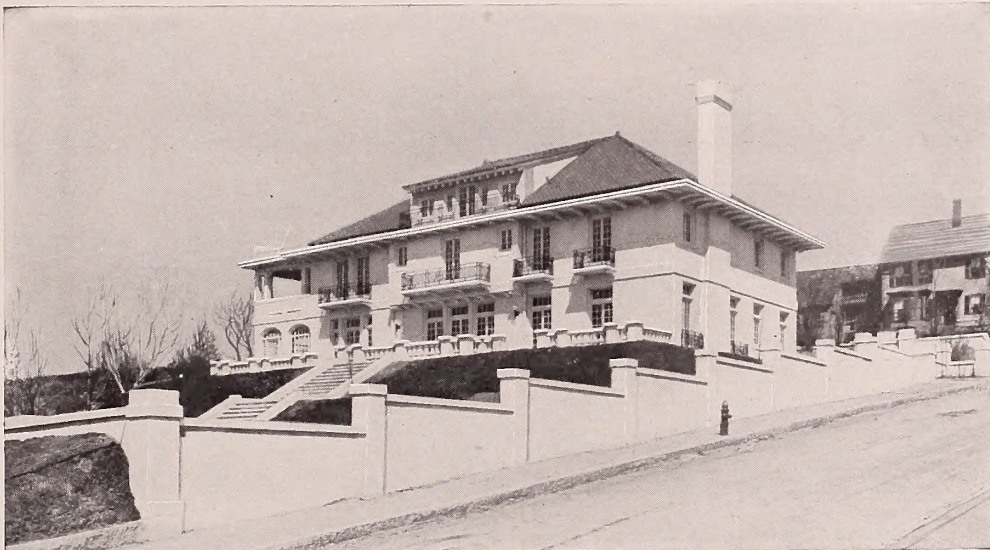
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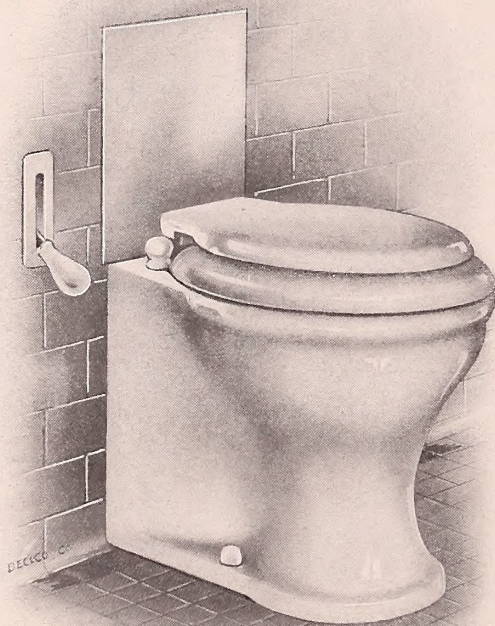
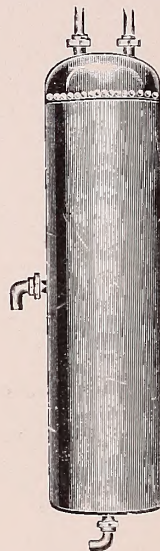
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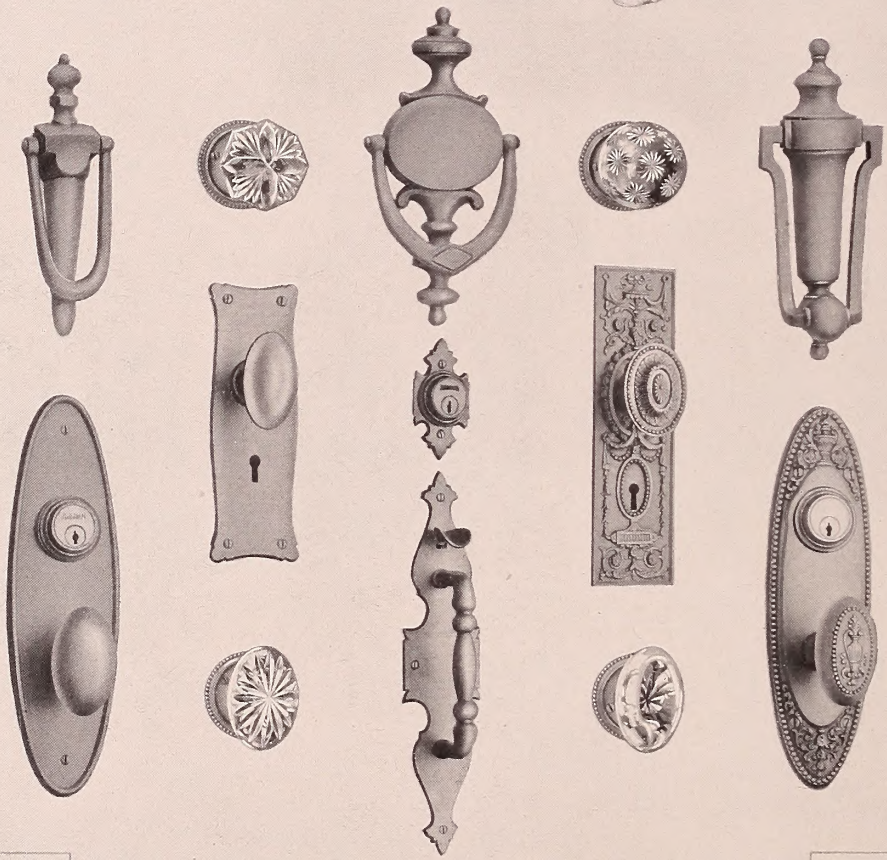
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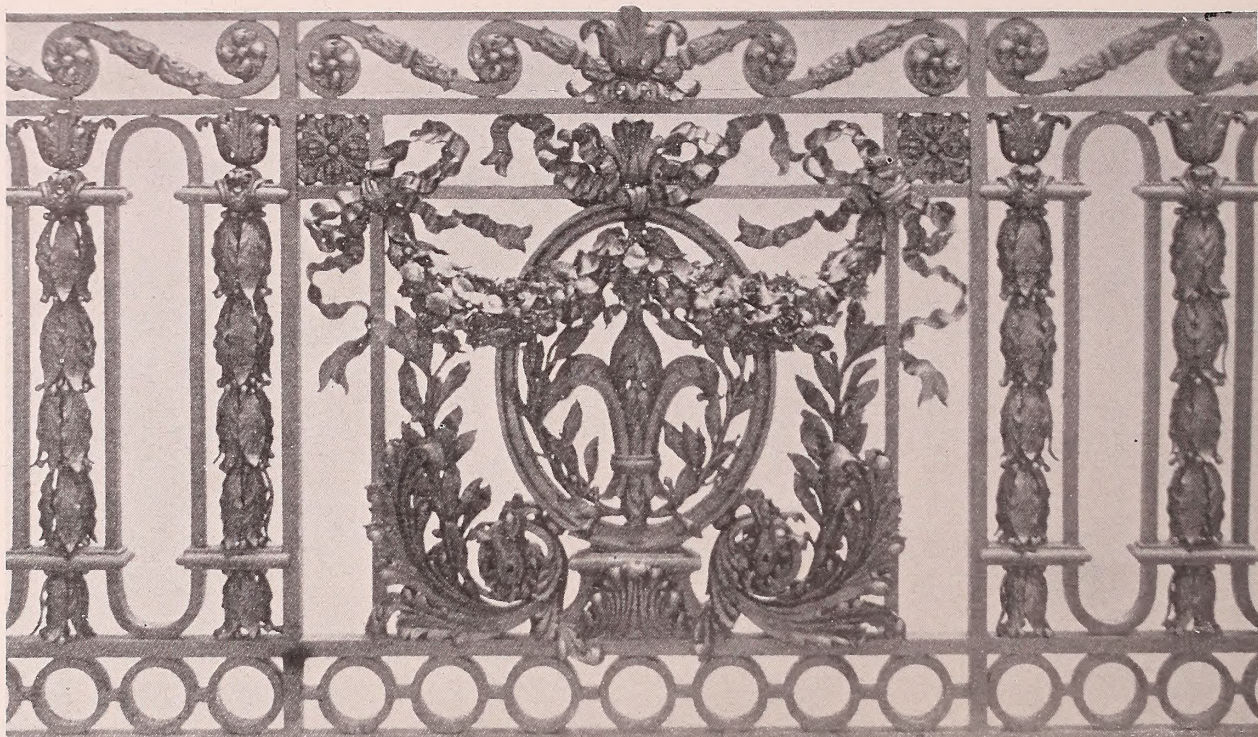
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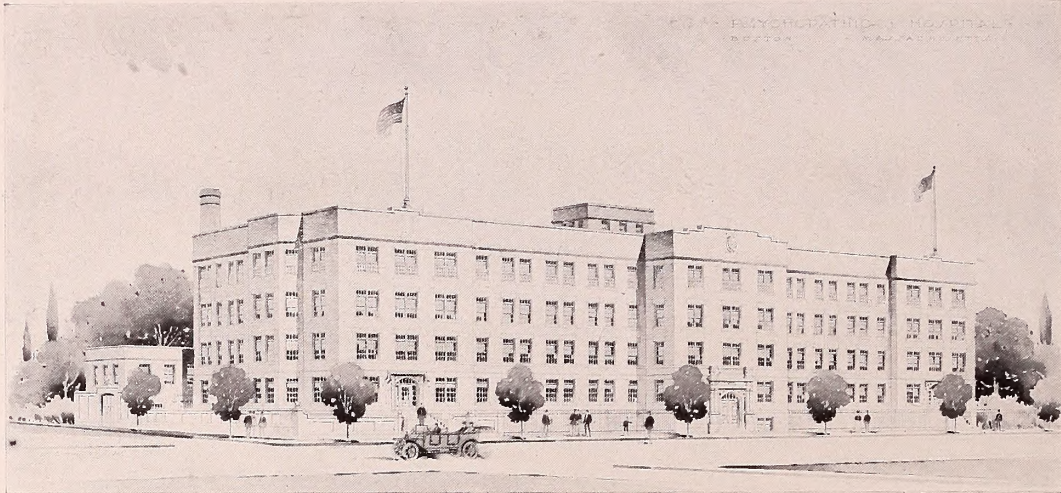
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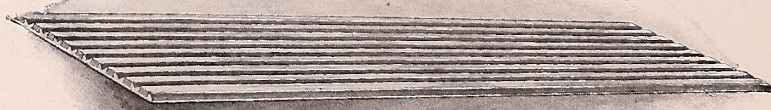
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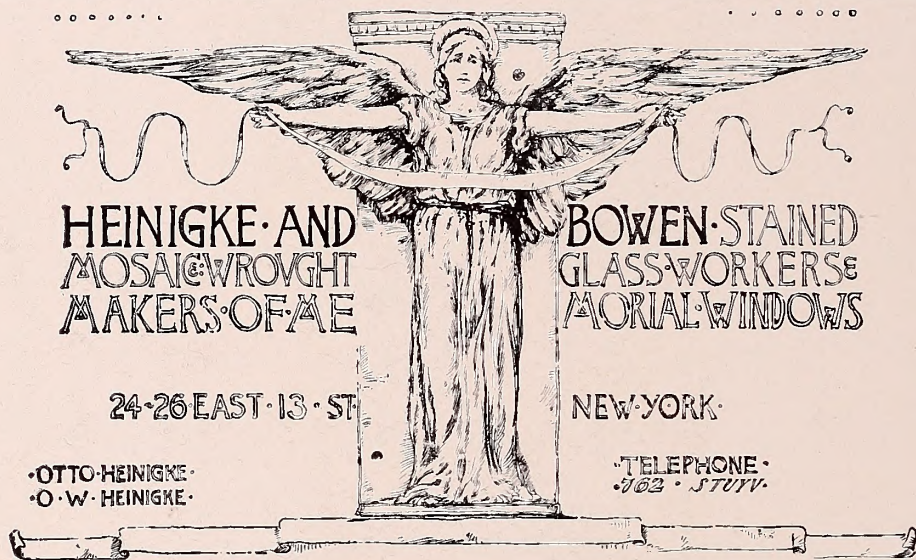
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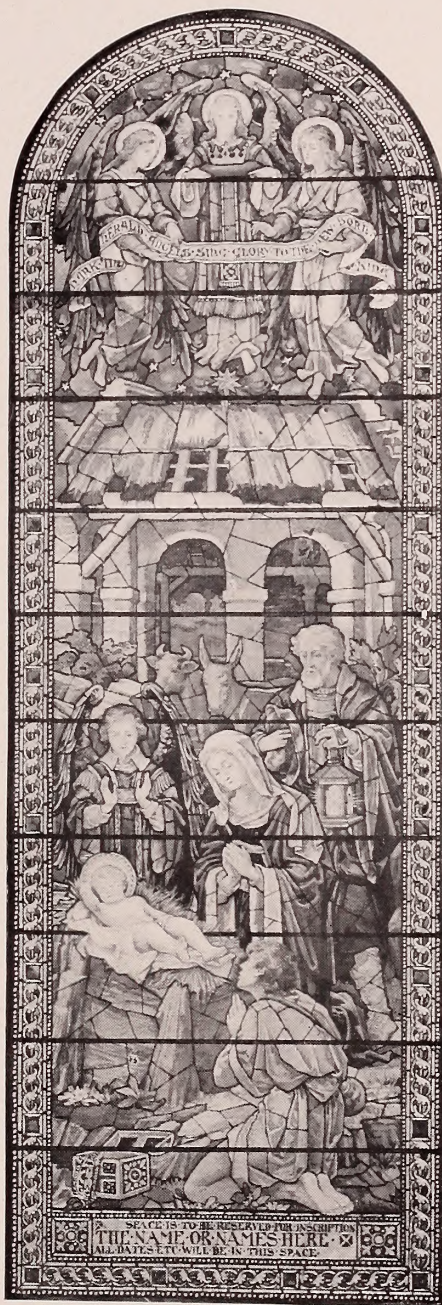
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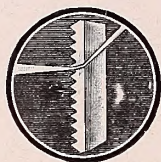
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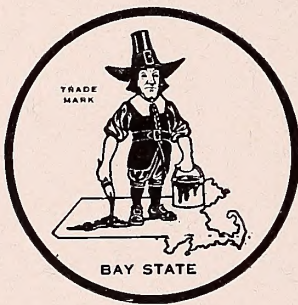
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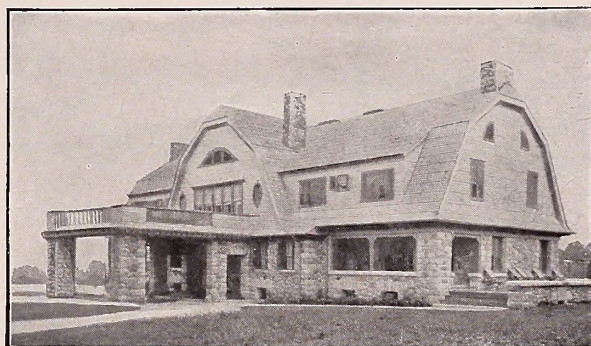
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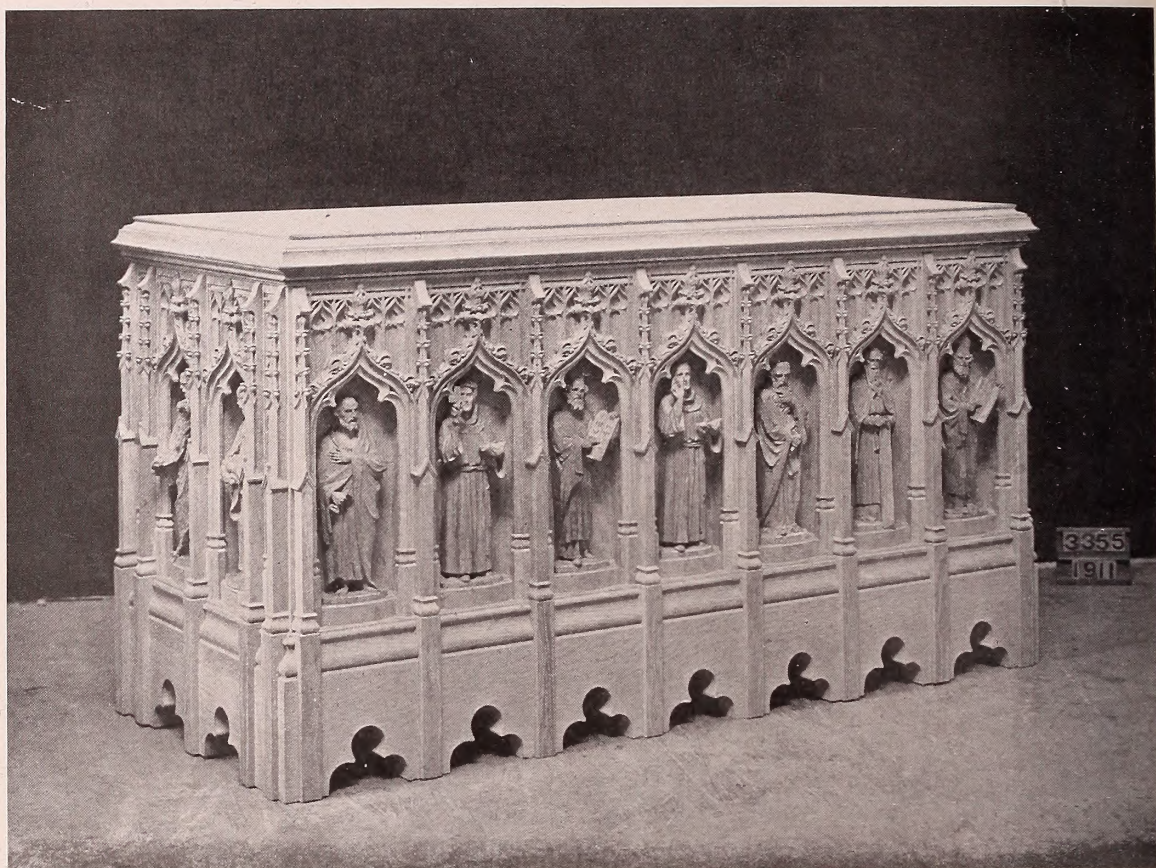
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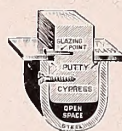
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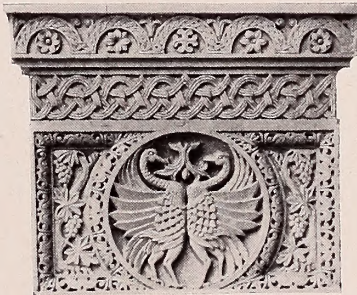
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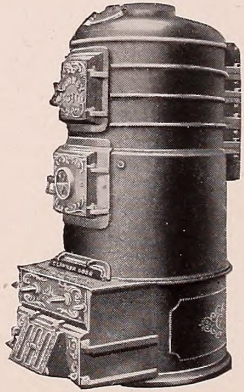
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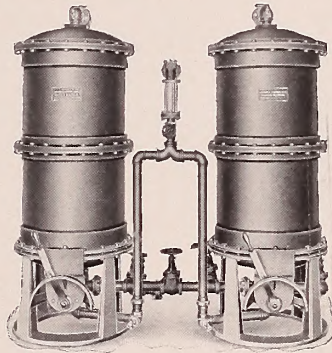


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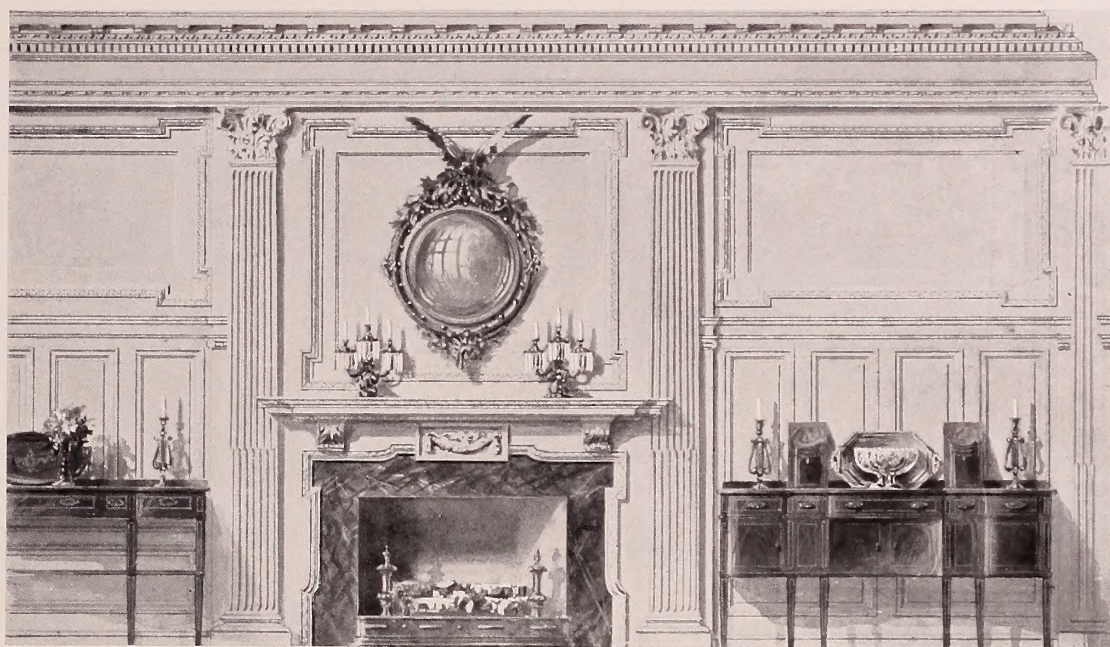
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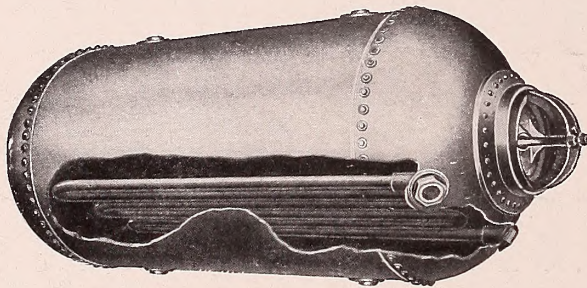
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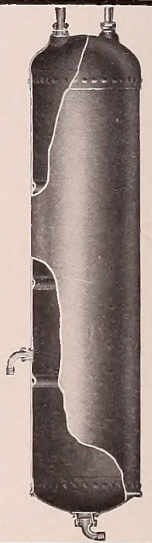


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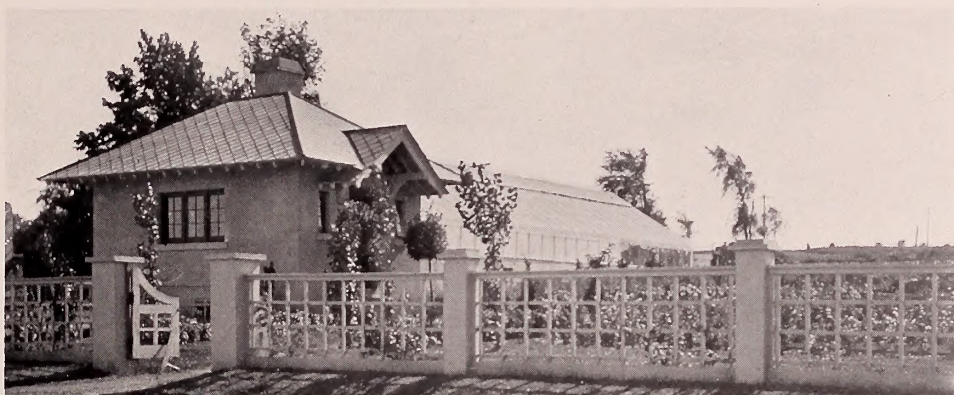
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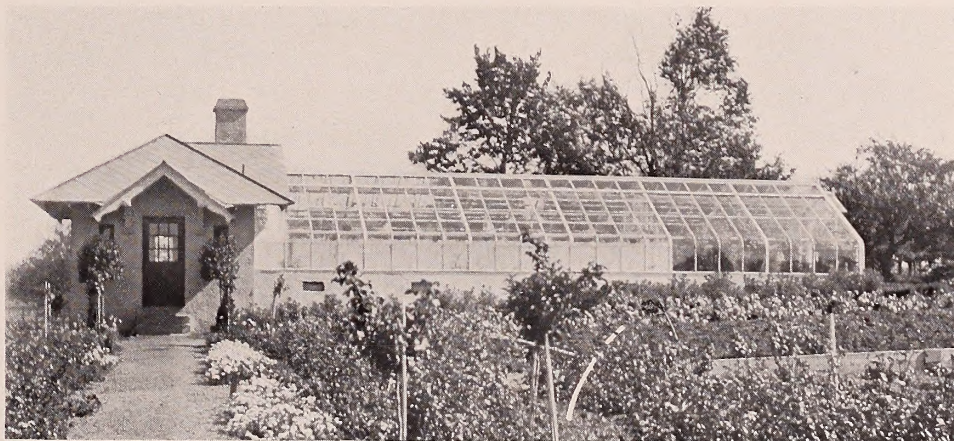
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Here and there, however, some unscrupulous persons attempt to deceive the architect and builder by offering inferior and spurious products as "Tapestry" Brick. They refer to their brick as "Tapestry", although they do not dare to brand them so. When confronted with a direct question, they reluctantly admit that theirs is not "Tapestry" Brick, but claim "it is just the same thing." This is manifestly intended to mislead.

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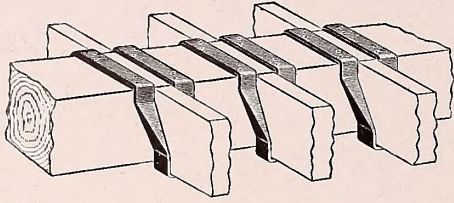
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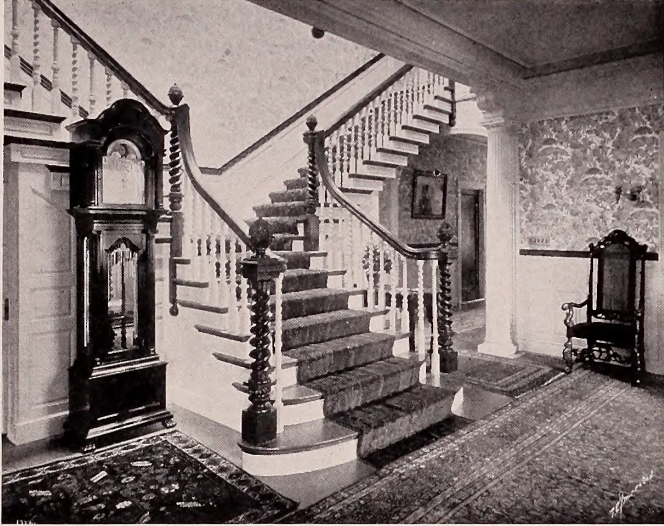
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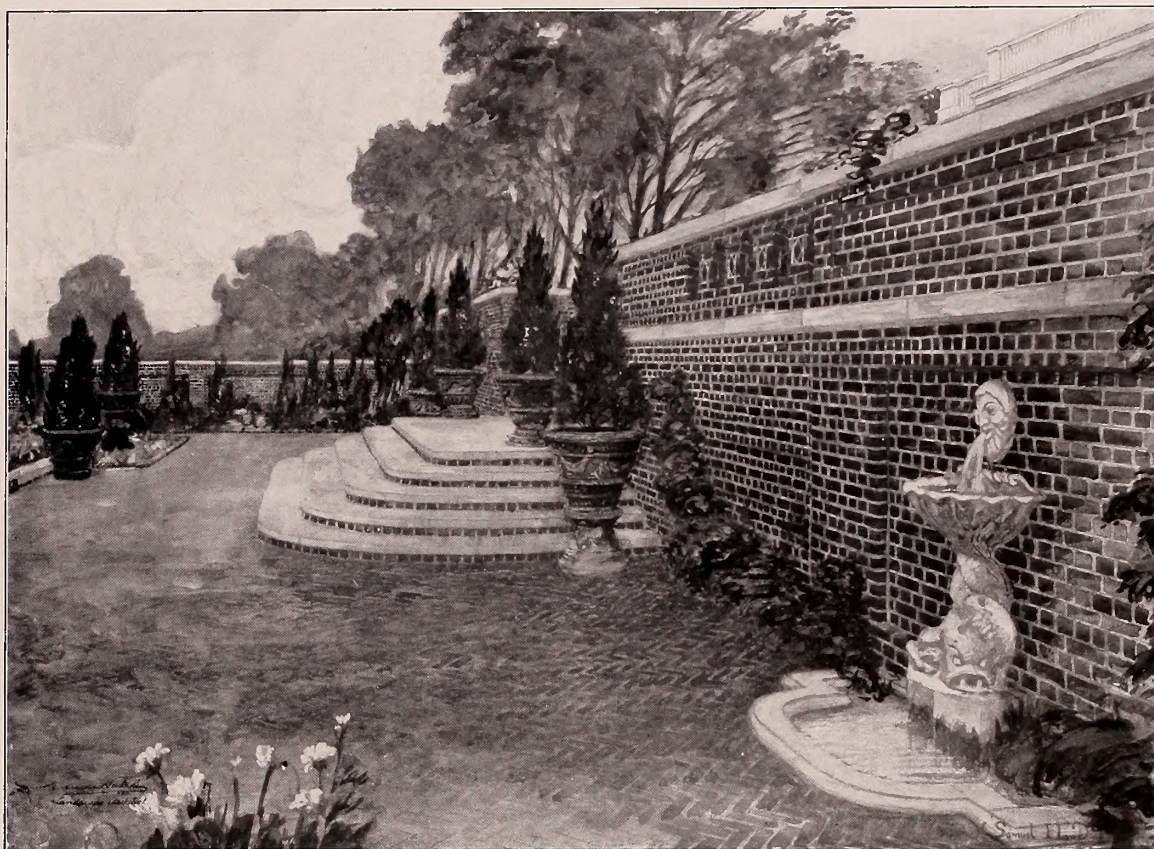
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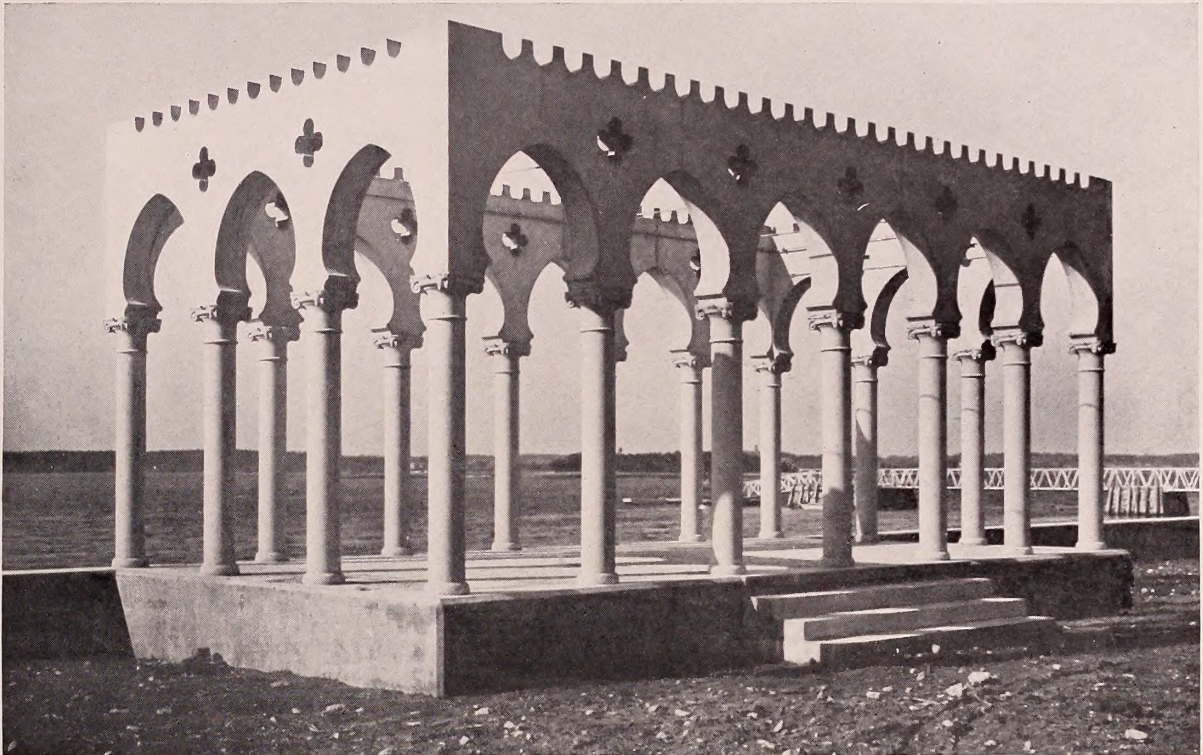
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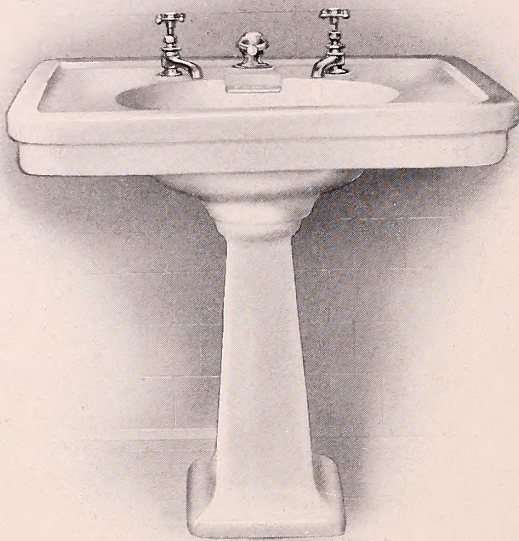
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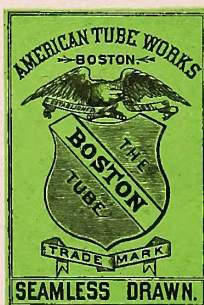
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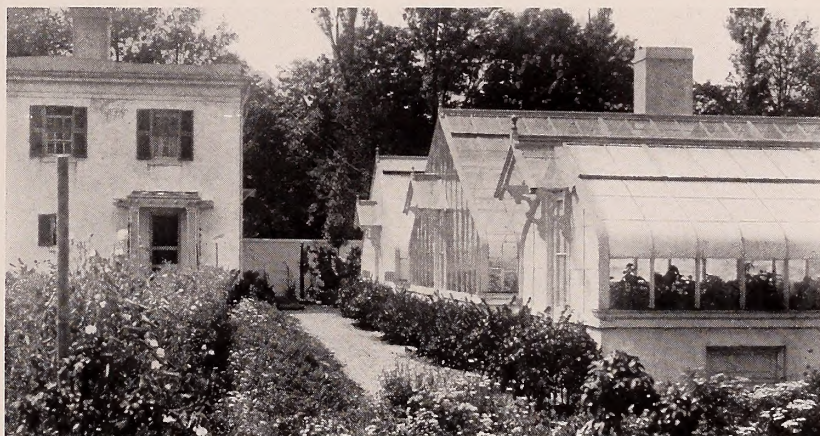
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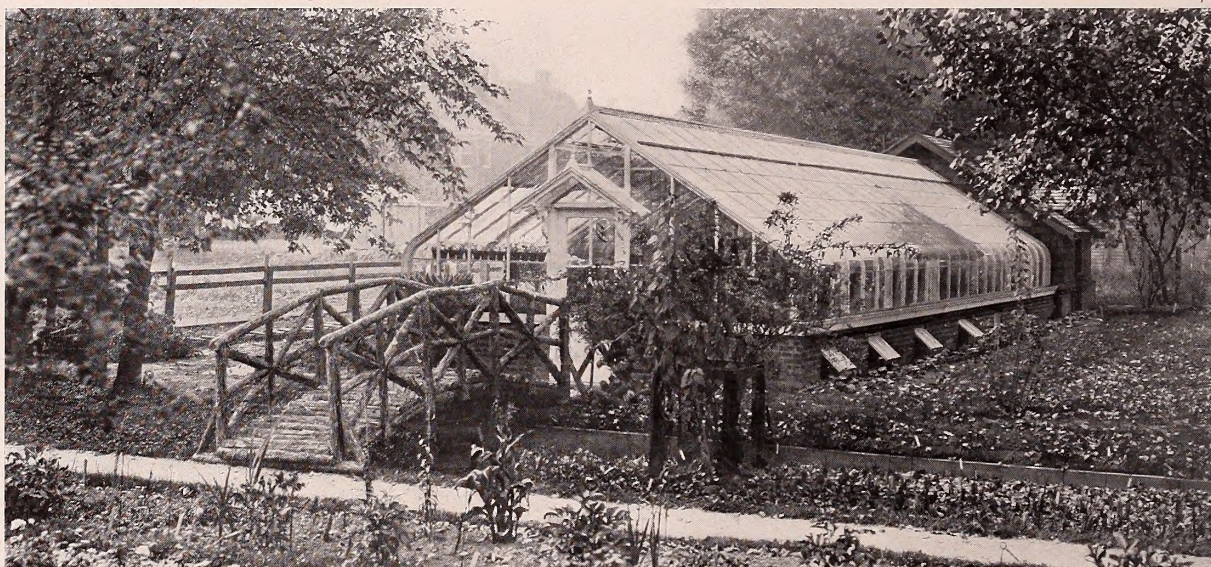
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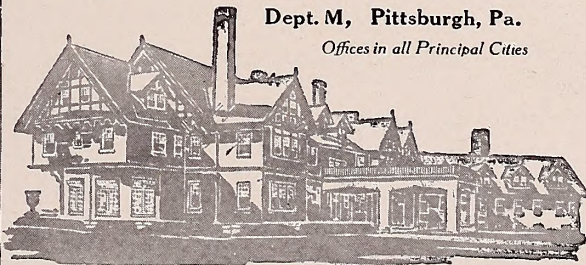
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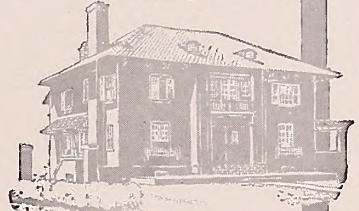
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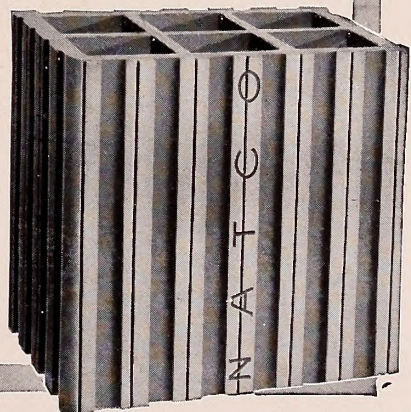
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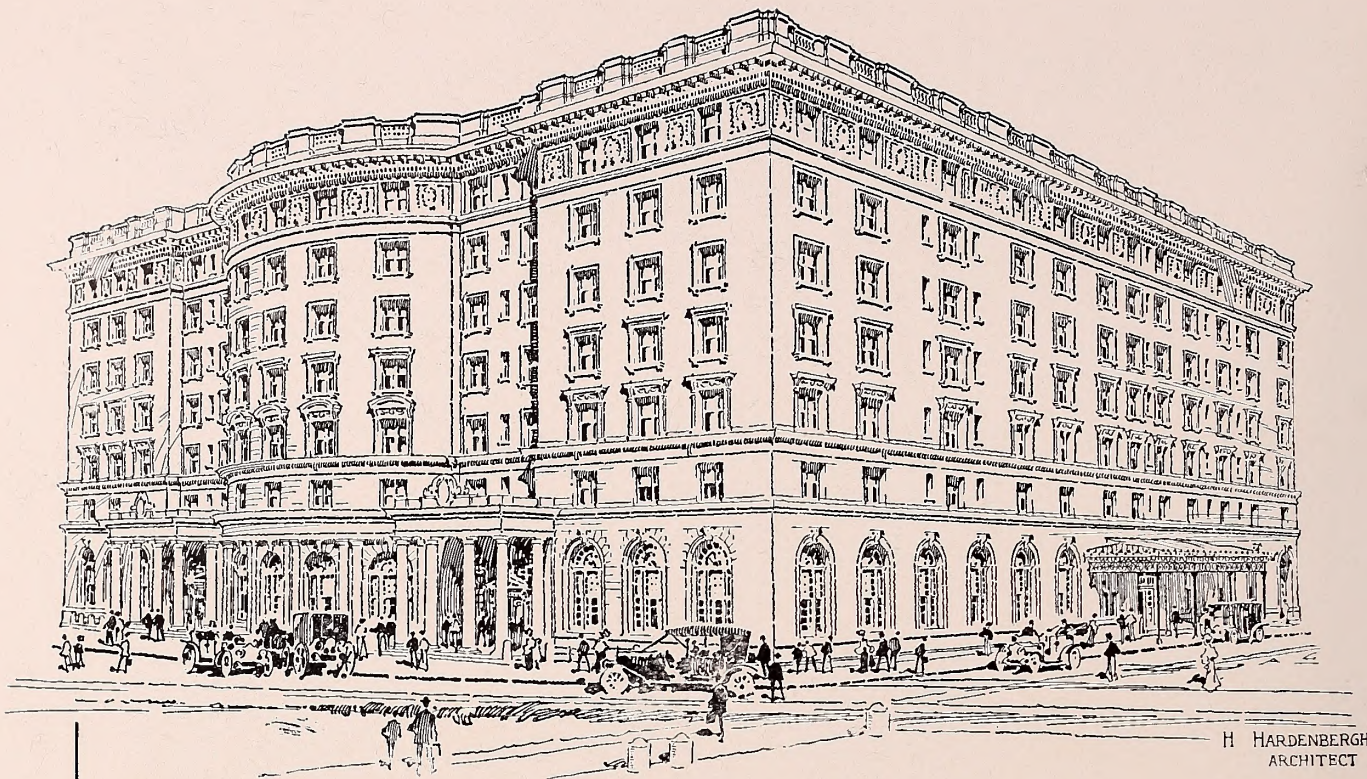
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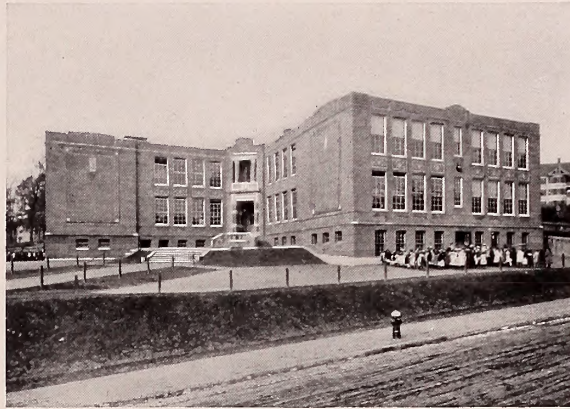
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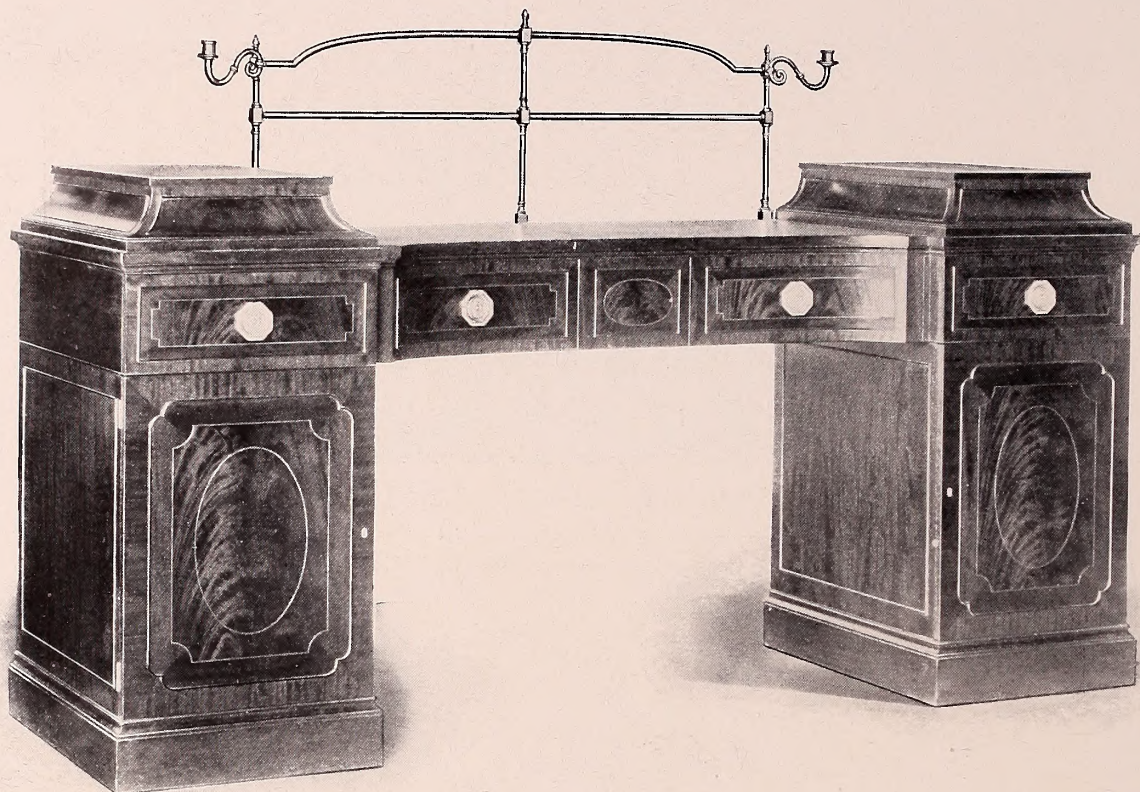
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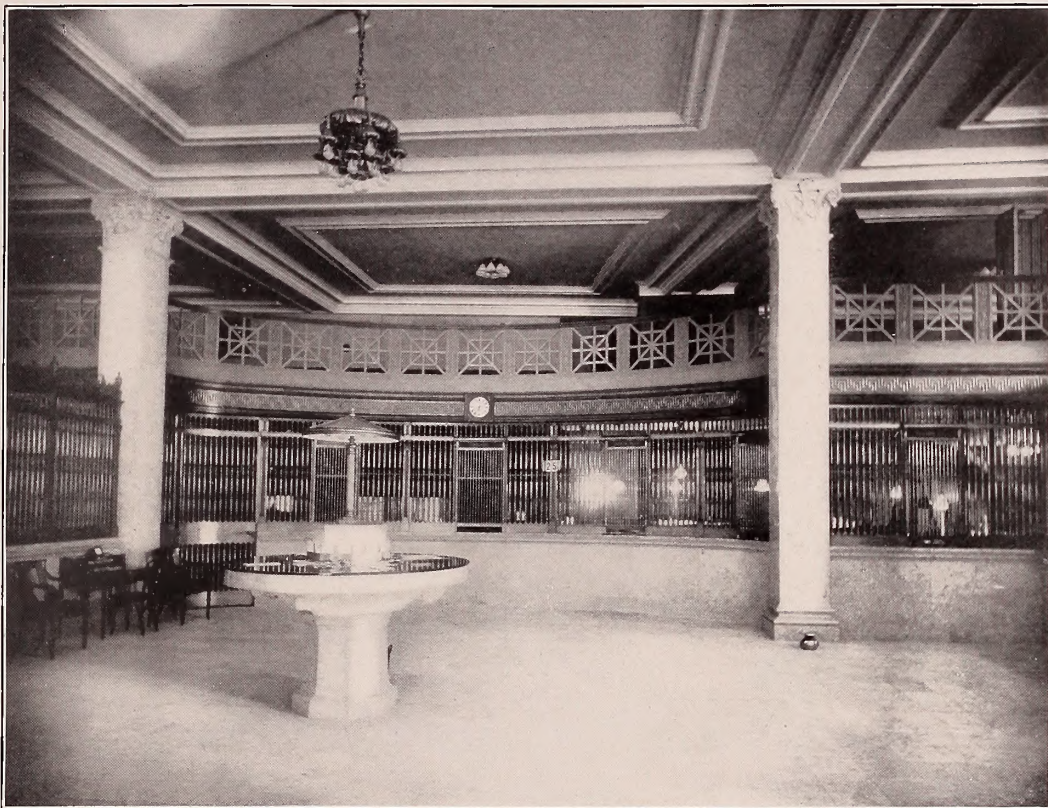
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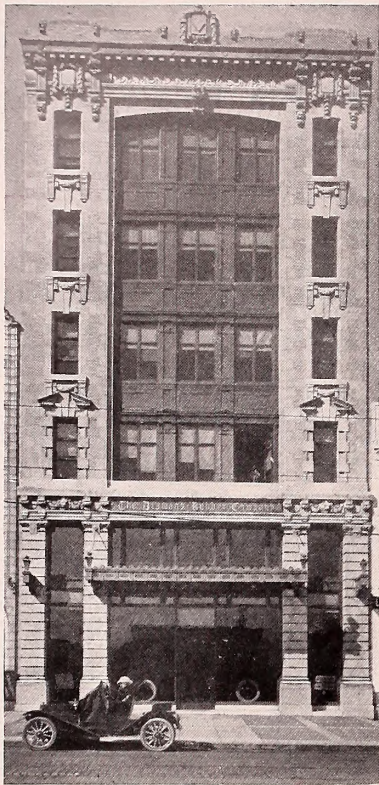
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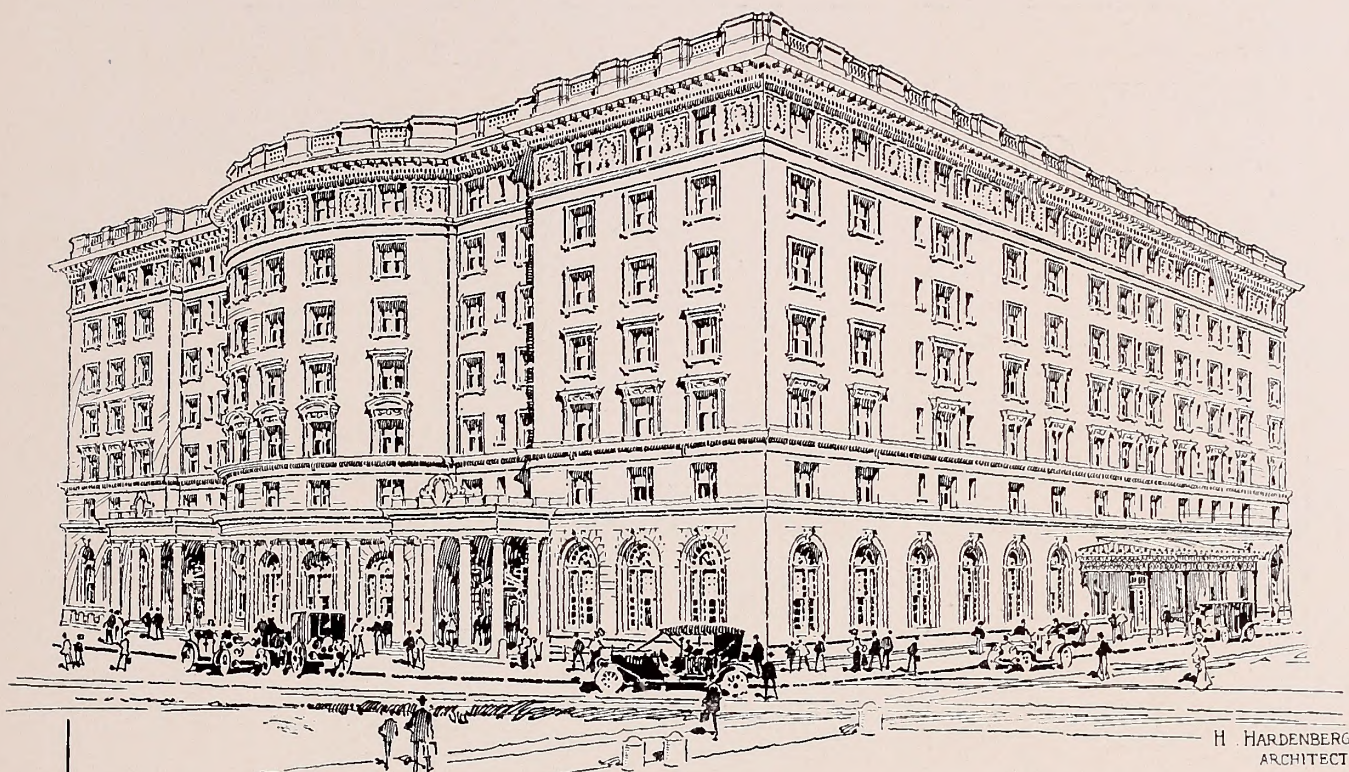
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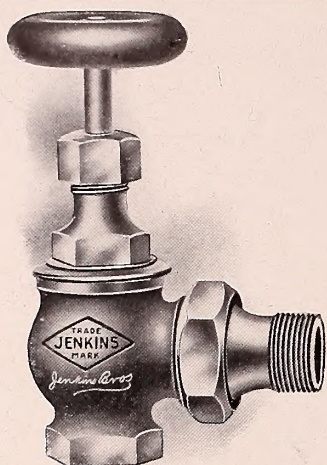


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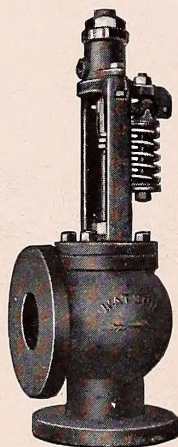
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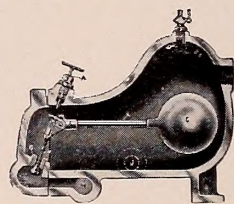


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For your convenience, we enclose some copies of the Barrett Specification with tracings from which blue prints can be made and embodied in your building specifications and plans.

The Barrett Specification Roof

INCLINE

This specification should not be used where roof incline exceeds three (3) inches to one (1) foot. Specification for steeper inclines furnished upon request.

TRACING

Tracing of roofing details is provided, so that same may be inserted in plans.

ROOFING

SPECIFICATION

For Use Over Board Sheathing.

First—Lay one (1) thickness of Sheathing Paper or Unsaturated Felt weighing not less than five (5) pounds per one hundred (100) square feet, lapping the sheets at least one (1) inch.

Second—Over the entire surface lay two (2) plies of Specification Tarred Felt, lapping each sheet seventeen (17) inches over preceding one, and nail as often as is necessary to hold in place until remaining Felt is laid.

Third—Coat the entire surface uniformly with Specification Pitch.

Fourth—Over the entire surface lay three (3) plies of Specification Tarred Felt, lapping each sheet twenty-two (22) inches over preceding one, mopping with Specification Pitch the full twenty-two (22) inches on each sheet, so that in no place shall Felt touch Felt. Such nailing as is necessary shall be done so that all nails will be covered by not less than two (2) plies of Felt.

Fifth—Spread over the entire surface a uniform coating of Specification Pitch, into which, while hot, embed not less than four hundred (400) pounds of Gravel or three hundred (300) pounds of Slag to each one hundred (100) square feet. The Gravel or Slag shall be from one-quarter ($1/4$) to five-eighths ($5/8$) inch in size, dry and free from dirt.

FLASHINGS

Flashings shall be constructed as shown in detail drawings.

INSPECTION

The roof may be inspected before the Gravel or Slag is applied by cutting a slit not less than three (3) feet long at right angles to the way the Felt is laid. All Felt and Pitch shall bear the manufacturer's label.

Note:—We advise incorporating the full wording of the specification and inserting roofing details in plans in order to avoid any misunderstanding. If an abbreviated form is desired, the following is suggested:

ROOFING—Shall be a Barrett Specification Roof (for use over Board Sheathing) laid as directed in printed specification, revised August 15, 1911, using the materials specified, and subject to the Inspection requirement.

NOTE

Special attention is called to the revised wording of this specification. The changes have been made at the request of architects and engineers, but in no way do they affect materials or method heretofore used.

Please destroy all previous copies of the Barrett Specification.

The Garrett Specification Book

SPECIFICATION

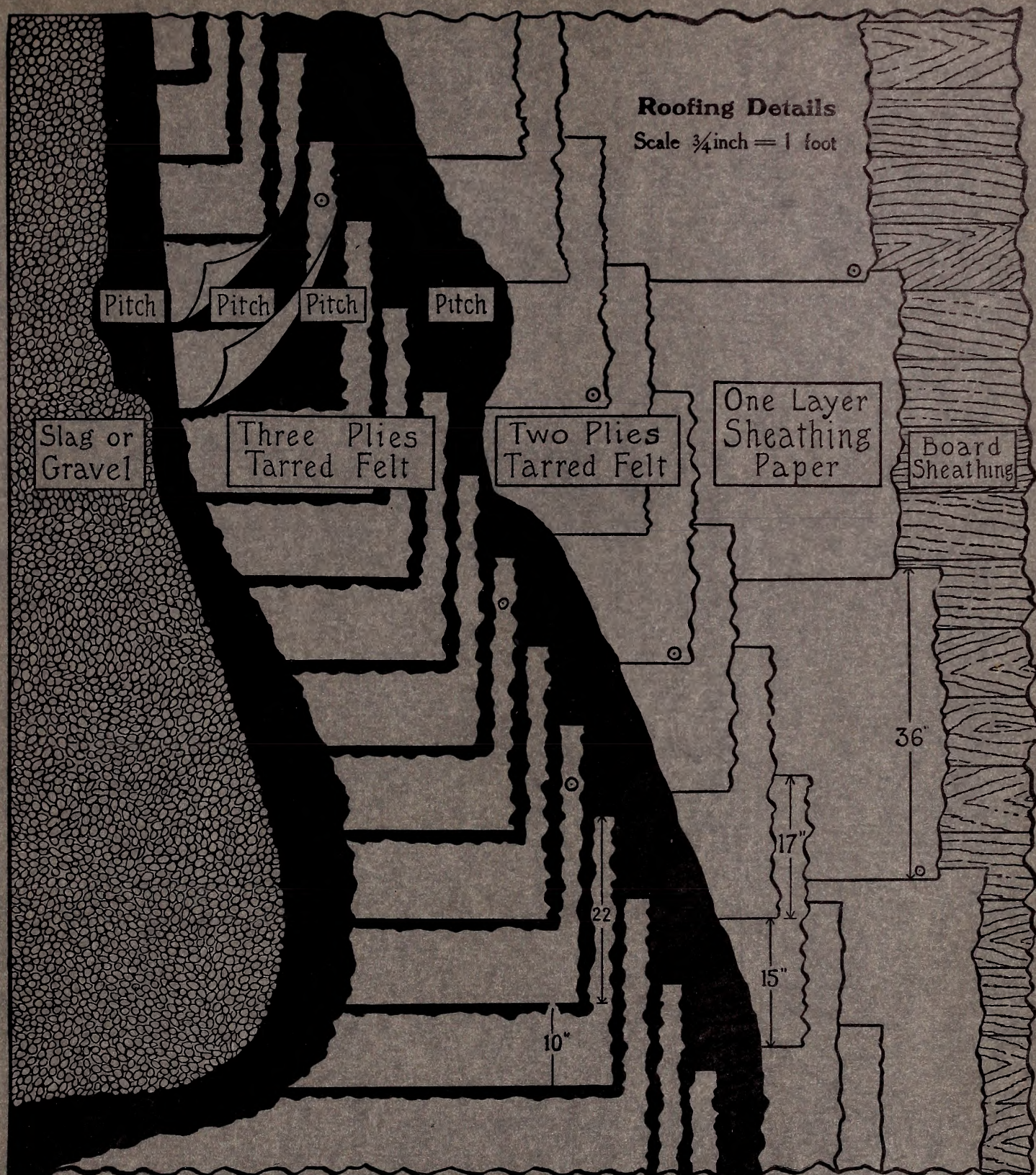
For Use Over Board Sheathing.

NOTE

Special attention is called to the revised wording of this specification. The changes have been made at the request of architects and engineers, but in no way do they affect methods or methods heretofore used.

Please
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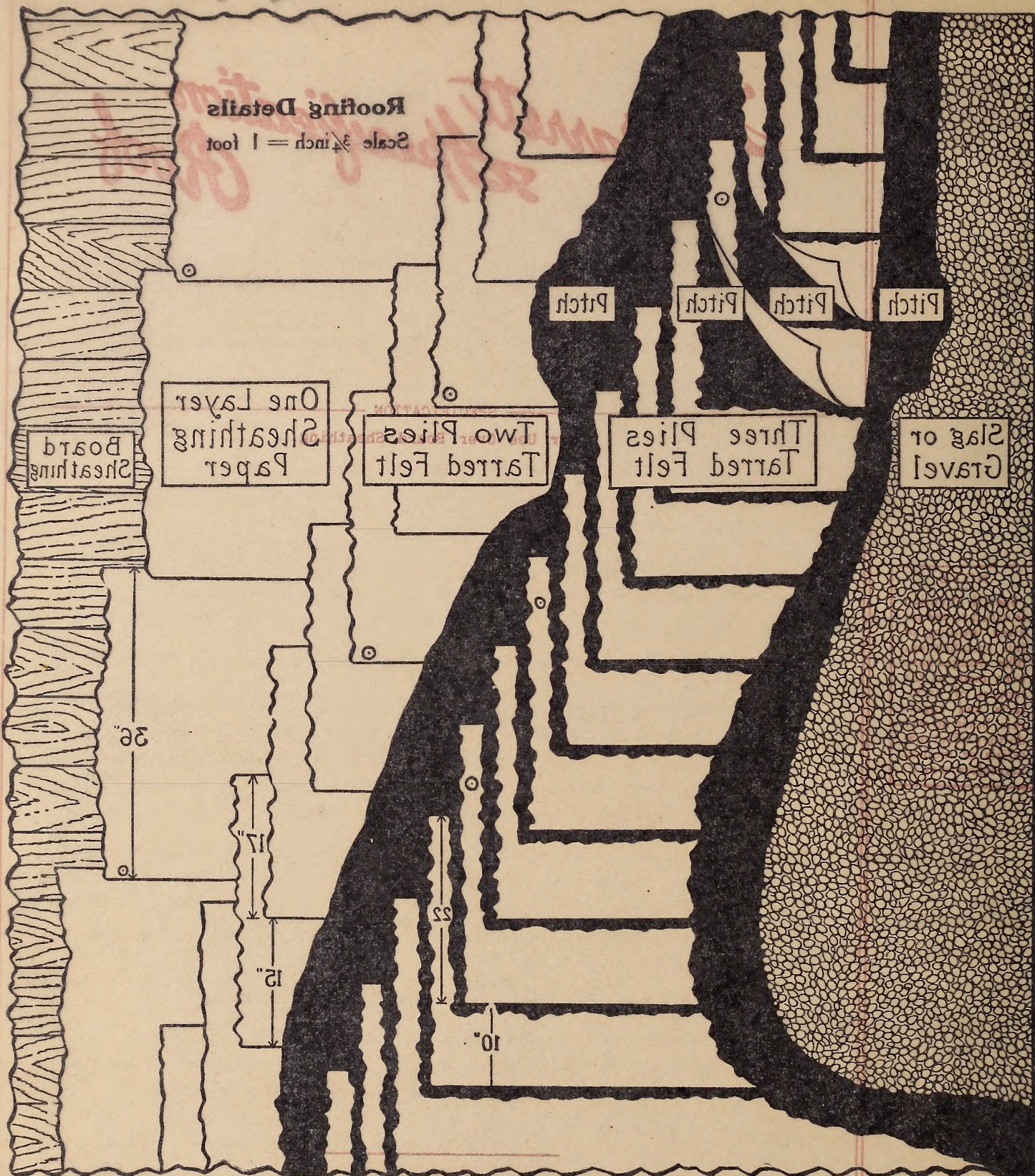
(Insert in plans a blue-print made from this tracing)



Enlarged
Cross
Section
Without
Gravel



(Insert in plans a blue-print made from this tracing)



The Barrett Specification Roof

INCLINE

This specification should not be used where roof incline exceeds three (3) inches to one (1) foot, and when incline exceeds one (1) inch to one (1) foot, the concrete must permit of nailing or nailing strips must be provided. Specification for steeper inclines furnished upon request.

TRACING

Tracing of roofing details is provided, so that same may be inserted in plans.

ROOFING

SPECIFICATION

For Use Over Concrete.

First—Coat the concrete uniformly with hot Specification Pitch.

Second—Over the entire surface lay two (2) plies of Specification Tarred Felt, lapping each sheet seventeen (17) inches over preceding one, mopping with Specification Pitch the full seventeen (17) inches on each sheet, so that in no place shall Felt touch Felt.

Third—Coat the entire surface uniformly with Specification Pitch.

Fourth—Over the entire surface lay three (3) plies of Specification Tarred Felt, lapping each sheet twenty-two (22) inches over preceding one, mopping with Specification Pitch the full twenty-two (22) inches on each sheet, so that in no place shall Felt touch Felt.

Fifth—Spread over the entire surface a uniform coating of Specification Pitch, into which, while hot, embed not less than four hundred (400) pounds of Gravel or three hundred (300) pounds of Slag to each one hundred (100) square feet. The Gravel or Slag shall be from one-quarter ($1/4$) to five-eighths ($5/8$) inch in size, dry and free from dirt.

FLASHINGS

Flashings shall be constructed as shown in detail drawings.

INSPECTION

The roof may be inspected before the Gravel or Slag is applied by cutting a slit not less than three (3) feet long at right angles to the way the Felt is laid. All Felt and Pitch shall bear the manufacturer's label.

Note:—We advise incorporating the full wording of the specification and inserting roofing details in plans in order to avoid any misunderstanding. If an abbreviated form is desired, the following is suggested:

ROOFING—Shall be a Barrett Specification Roof (for use over Concrete) laid as directed in printed specification, revised August 15, 1911, using the materials specified, and subject to the Inspection requirement.

NOTE

Special attention is called to the revised wording of this specification. The changes have been made at the request of architects and engineers, but in no way do they affect materials or method heretofore used.

Please destroy all previous copies of the Barrett Specification.

Roofing Details
Scale $\frac{3}{4}$ inch = 1 foot

Pitch Pitch Pitch Pitch Pitch Pitch

Slag or Gravel

Three Plies Tarred Felt

Two Plies Tarred Felt

Concrete

17"
15"
22"
10"

Scale $\frac{3}{4}$ inch = 1 foot

Pitch

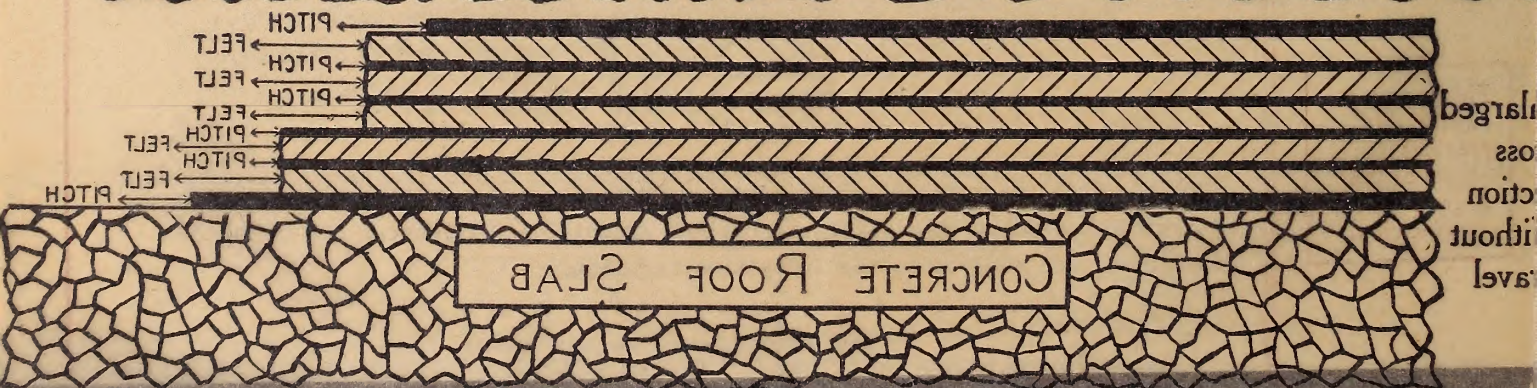
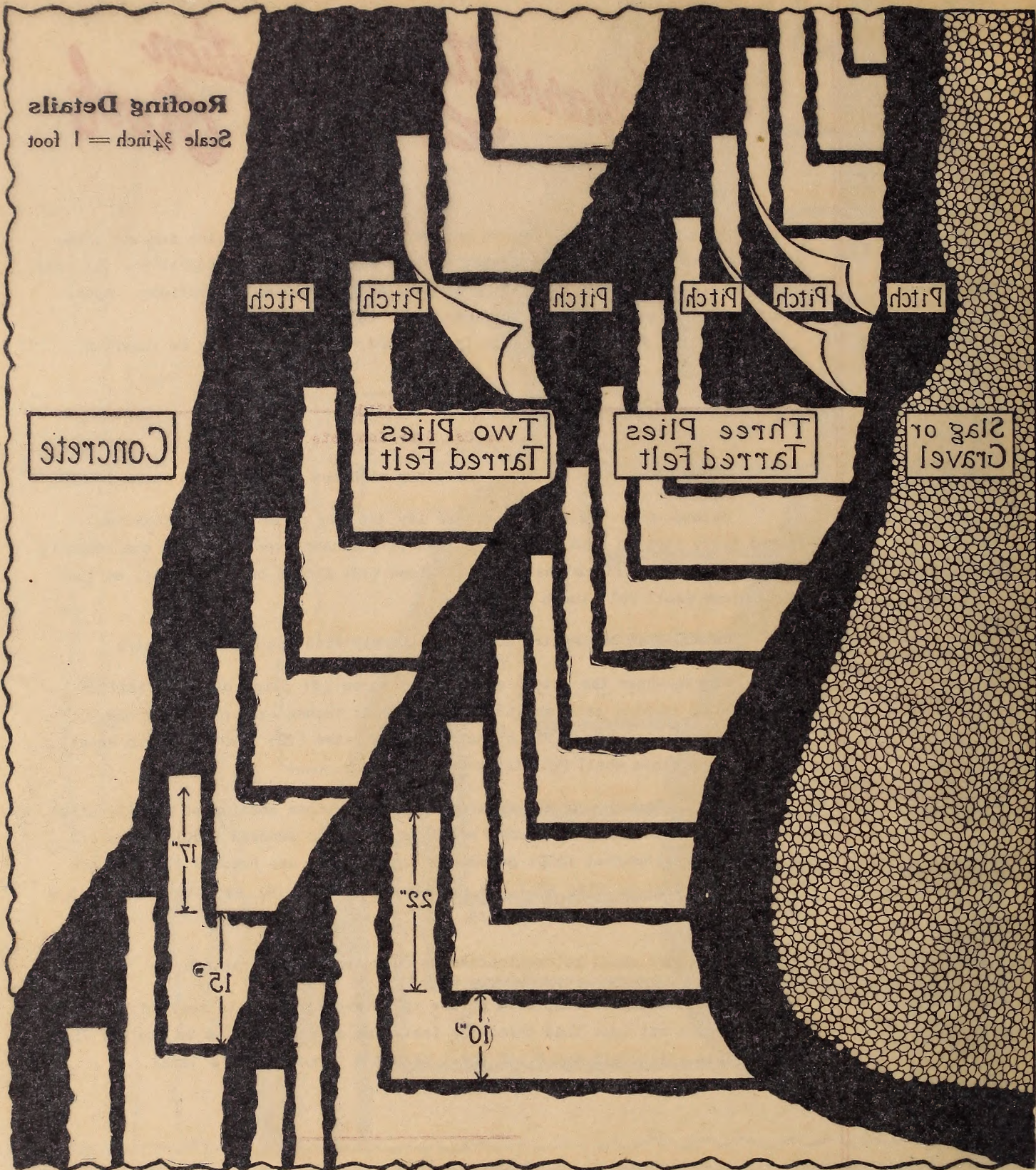
Concrete

10³

A cross-sectional diagram of a roof assembly. At the base is a thick, textured layer labeled "CONCRETE ROOF SLAB". Above this slab, there are five horizontal layers of "PITCH" (indicated by diagonal hatching) and four layers of "FELT" (indicated by solid black lines). The layers are stacked in an alternating fashion: PITCH, FELT, PITCH, FELT, PITCH, FELT, PITCH, FELT. Arrows point from the labels "PITCH" and "FELT" to their respective layers. The top surface of the roof assembly is labeled "PITCH".

(Insert in plans a blue-print made from this tracing)

Roofing Details
Scale $\frac{3}{4}$ inch = 1 foot



HOW TO INSPECT

Barrett Specification Roofs

A roof is NOT a Barrett Specification Roof unless the materials are applied as directed in the Barrett Specification, and unless each roll of Tarred Felt and each barrel of Pitch bears the labels, facsimiles of which are shown herewith.



To comply with the Barrett Specification the materials necessary for each one hundred (100) square feet of completed roof are approximately as follows:

Over Boards.		Over Concrete.
108 sq. ft.	Sheathing Paper	None.
80 to 85 lbs.	Specification Tarred Felt	80 to 85 lbs.
120 to 160 lbs.	Specification Pitch	180 to 225 lbs.
400 lbs.	Gravel	400 lbs.
	or	
300 lbs.	Slag	300 lbs.

In estimating Felt the average weight is practically fifteen (15) pounds per one hundred (100) square feet, single thickness, and about ten (10) per cent. additional is required for laps.

In estimating pitch the weather conditions and expertness of the workmen will affect the amount necessary for moppings and to properly embed Gravel or Slag.

The only practical way of determining that Felt and Pitch have been applied as specified is to cut the roof, and as a protection to the responsible roofing contractor, the National Association Master Gravel & Slag Roofers of America recommend cutting a slit into the roof not less than three (3) feet long at right angles to the way the Felt is laid, before the Gravel or Slag is applied. The cut can be repaired by sticking five (5) thicknesses of Felt over it, and the spot will then be as strong as any part of the roof.

The contract price for a Barrett Specification Roof should not be less than the cost of the materials specified, plus the cost of laying and a reasonable amount for profit. Thorough inspection of materials and workmanship is recommended.

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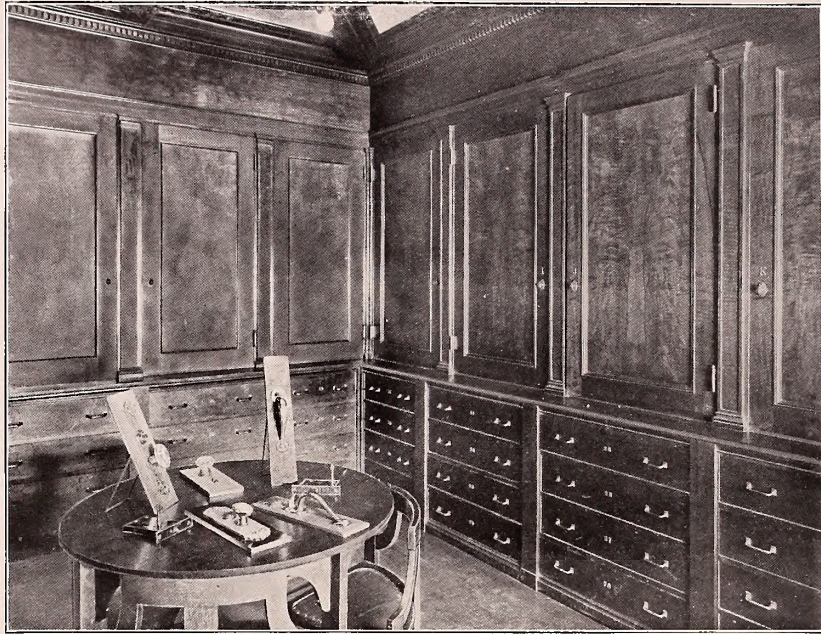
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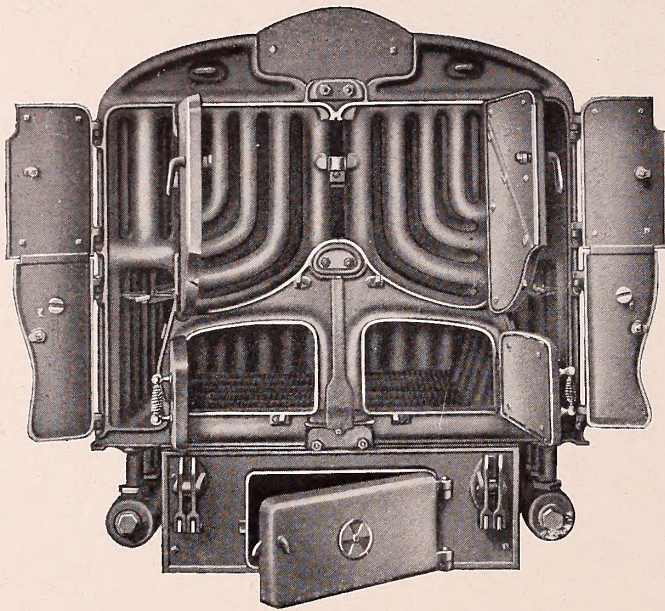
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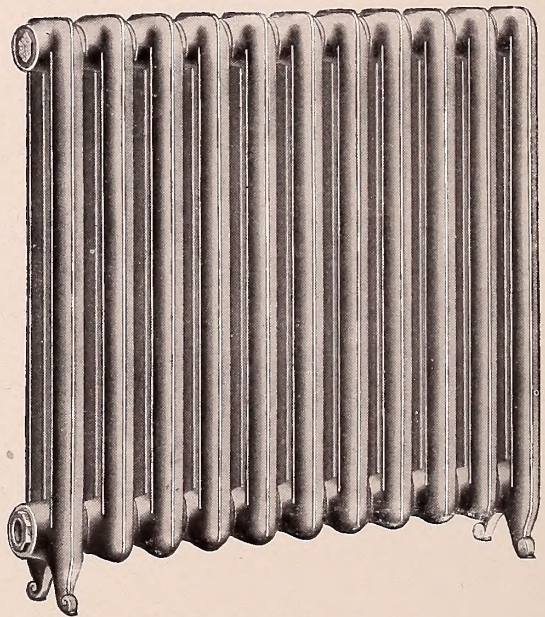
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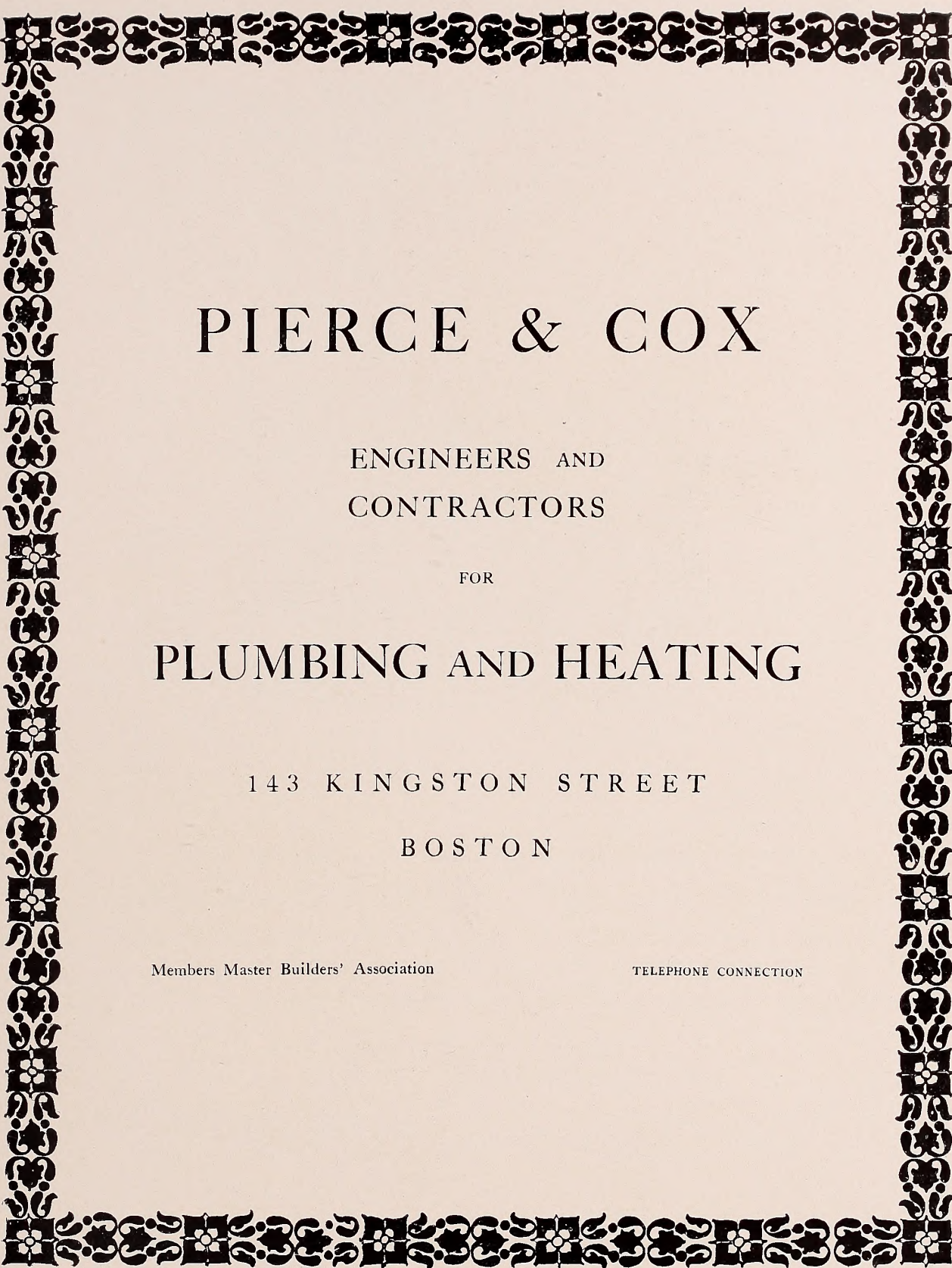
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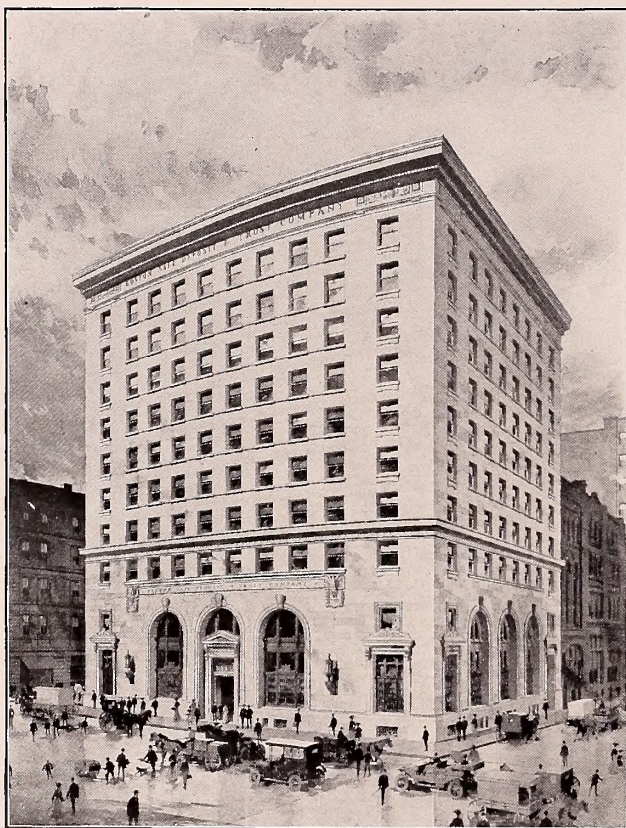
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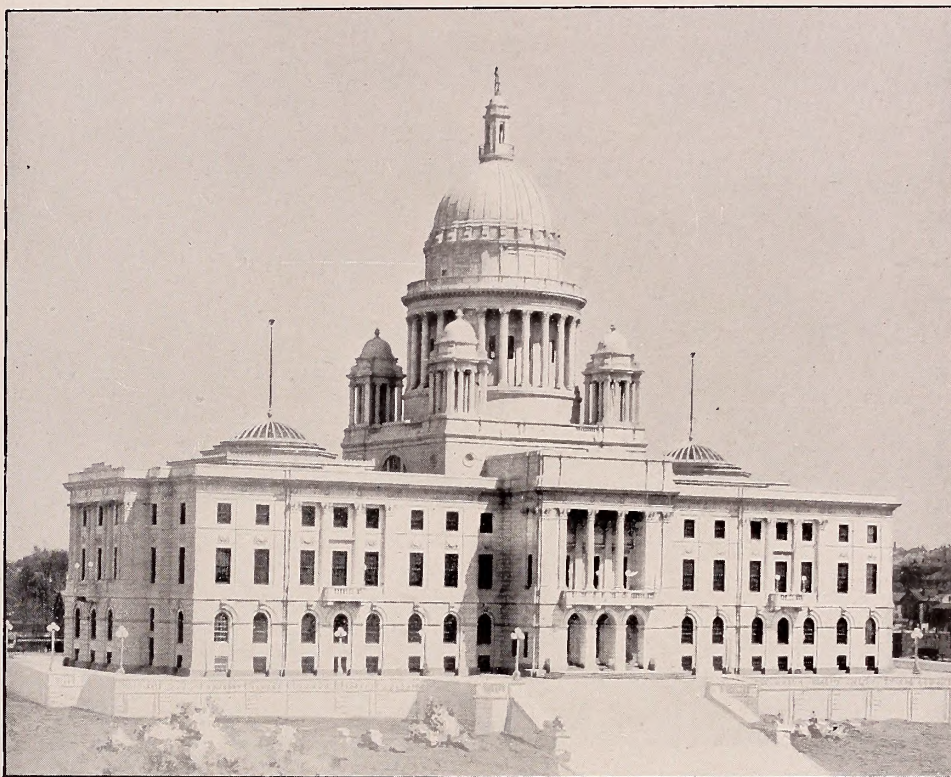
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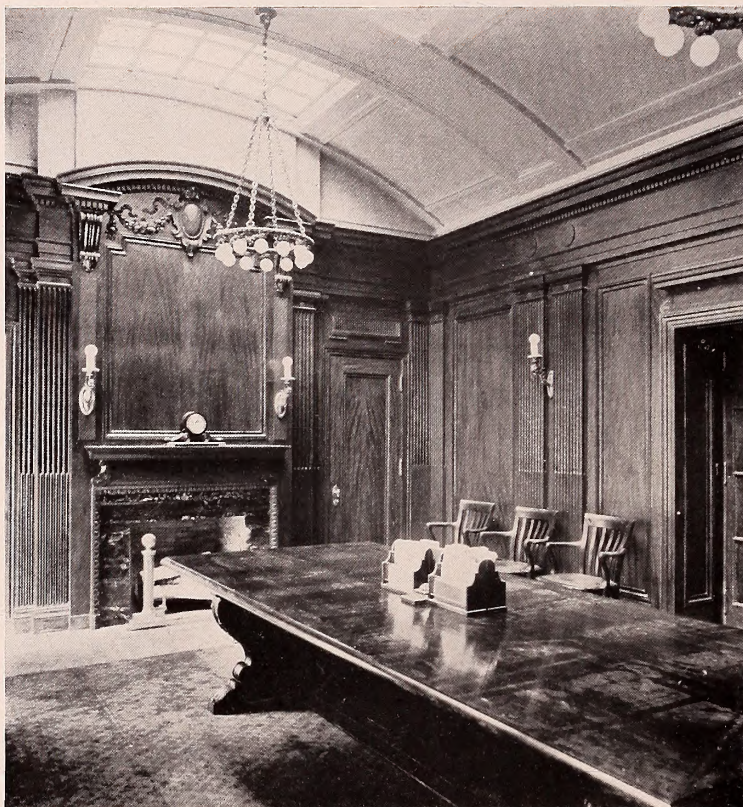
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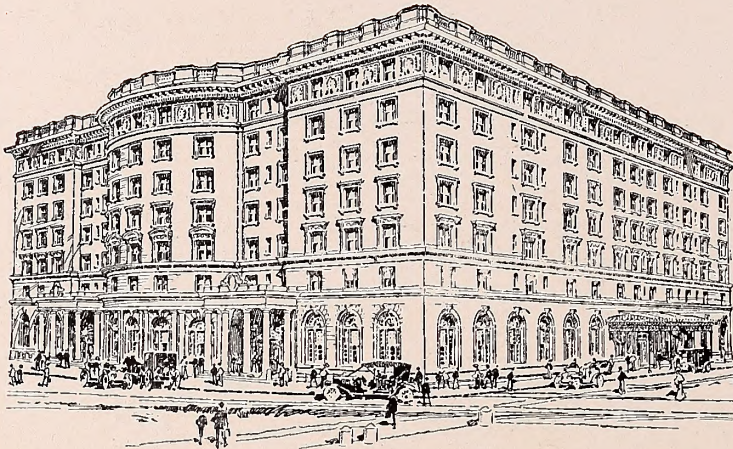
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OPERATING UNDER THE PATENTS OF THE VACUUM CLEANER CO.



COPLEY PLAZA HOTEL

H. S. Hardenberg, Architect

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VACUUM CLEANING IN A HOTEL
IS A MODERN NECESSITY

A FEW OF OUR LOCAL HOTEL INSTALLATIONS

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PURITAN Hotel, Boston, Mass.

THORNDIKE HOTEL, Boston, Mass.

ESSEX HOTEL, Boston, Mass.

COPLEY SQUARE HOTEL, Boston, Mass.

AMERICAN HOUSE, Boston, Mass.

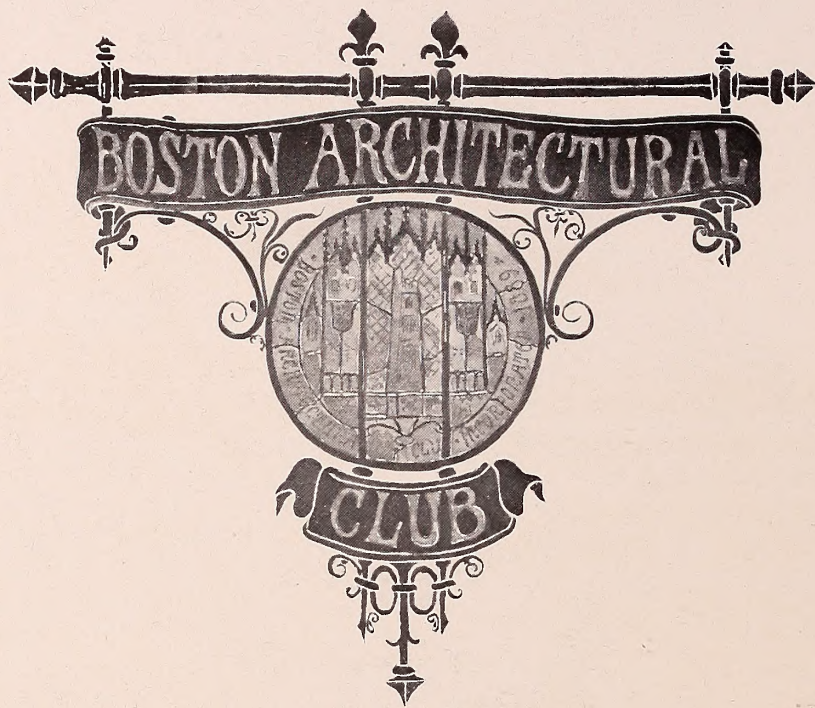
BREWSTER HOTEL, Boston, Mass.

COMMONWEALTH HOTEL, Boston, Mass.

BEACONSFIELD HOTEL, Brookline, Mass.

Sanitary Dust Removing Co. of Mass.
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MAGEE FURNACE COMPANY

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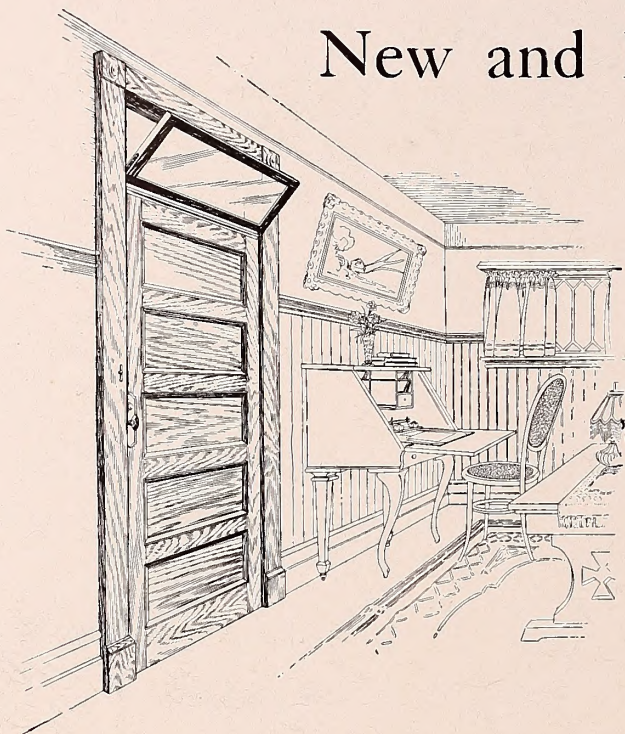
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The "**RICHMOND**" Concealed Transom Lift

The T handle at the left operates the transom.

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Interesting descriptive matter will gladly be sent upon request.

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RICHMOND Vacuum Cleaning Systems (Manufactured and sold under the protection of the **Basic Kenney Patent** and many others); **RICHMOND** and **MODEL** Heating Systems; **RICHMOND** Bath Tubs, Sinks, Lavatories; **RICHMOND** Concealed Transom Lifts, Casement Window and Outside Shutter Adjusters.

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SEVEN MANUFACTURING PLANTS
One at Norwich, Conn.; two at Uniontown, Pa.; one at Racine, Wis.; one at Chicago;
one at Philadelphia; one at Montreal, Canada

- RESIDENCES
- HOTELS
- SCHOOLS
- OFFICE BUILDINGS
- APARTMENT BUILDINGS
- HOSPITALS
- STORES
- THEATRES
- CHURCHES
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RLEASE understand, first, that the makers of **"RICHMOND"** Vacuum Cleaning Systems are wedded to no particular type or form of vacuum apparatus. Different kinds of cleaning require different kinds of systems. Whatever the requirement is, you will find it in the **"RICHMOND"** line. Every provedly successful principle is employed. There is no attempt to make a single principle apply to every need.

"RICHMOND" Systems are manufactured under the protection of the Kenney Basic Patent—and many other vital vacuum cleaning patents.

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Our Engineering Department is at your service.
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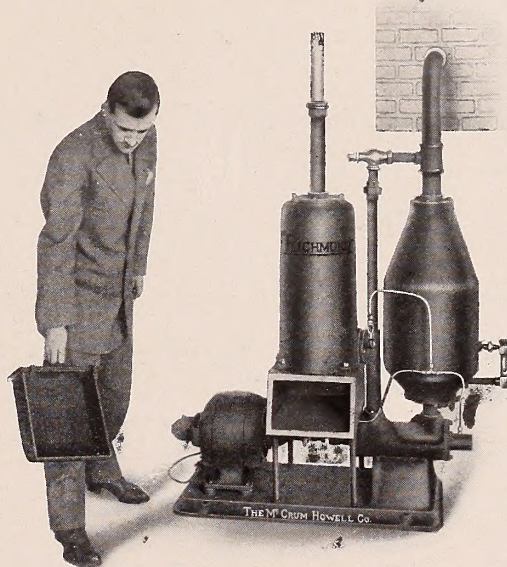
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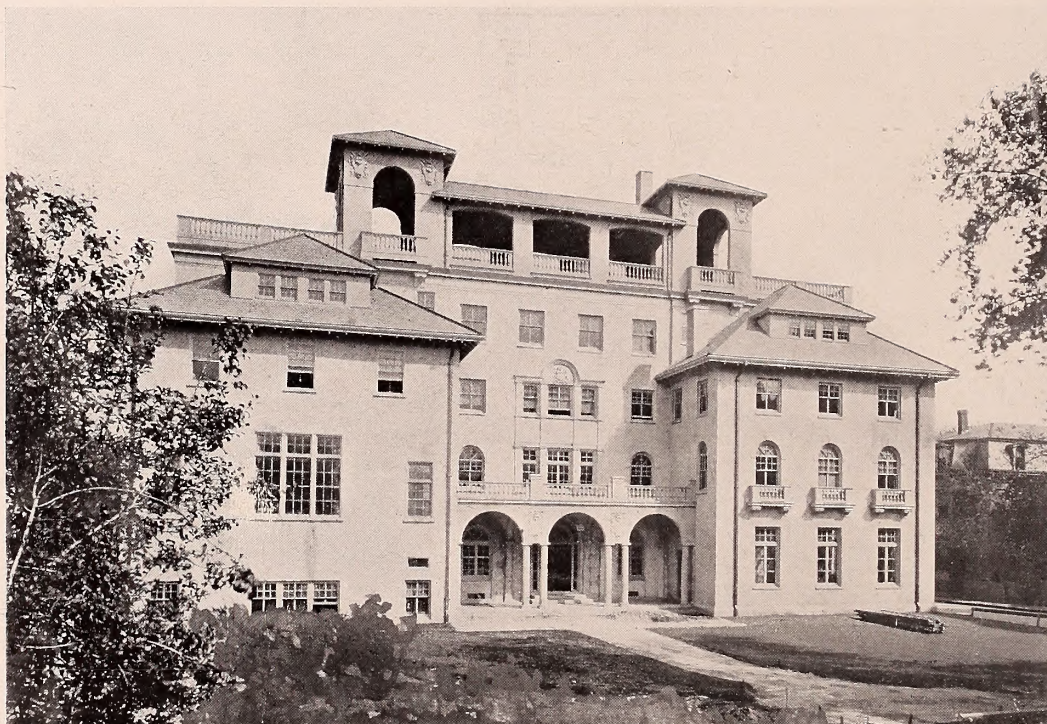


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